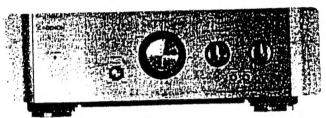
DENON

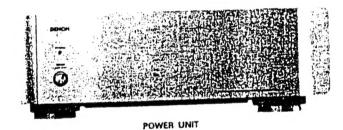
Hi-Fi Pre Amplifier

SERVICE MANUAL MODEL PRA-S1

PRE AMPLIFIER



CONTROL UNIT

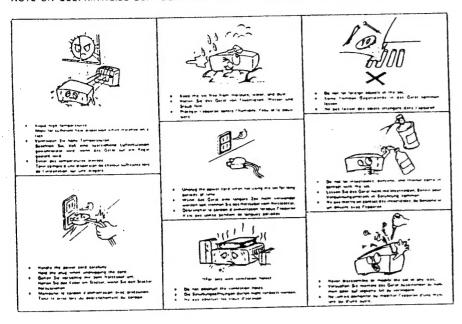


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NIPPON COLUMBIA CO., LTD.

NOTE ON USE/HINWEISE ZUM GEBRAUCH/OBSERVATIONS RELATIVES A L'UTILISATION



1 FEATURES

(1) Newly developed power circuit

- A separate power supply is used to eliminate any adverse influence from the power supply section.
- A pure power generator makes it possible to vary the power frequency, providing music reproduction with a high density unachievable on 50/60Hz AC lines.

(2) Balanced type rheostat mode attenuators

- Nawly developed balanced type rheostat mode attenuators achieved thanks to the increased performance of the electronic circuitry are used for the controls. These attenuators are the major factors for improving sound quality. In actual use, they improve the S/N ratio and keep deterioration of the sound quality due to the controls to a minimum.
- The attenuators consist of a contact switching type switch and a high sound quality carbon resistor, and achieve far better sound quality than conventional attenuators.

(3) New inverted I belanced circuit and high precision belanced flat amplifier

- A new inverted Σ balanced circuit which makes it possible to accept both balanced and unbalanced inputs is used, eliminating the need for a converter amplifier and providing simple, pure signal transfer.
- A high precision balanced flat amplifier which improves the common mode noise elimination capacity (the greatest advantage of balanced signal transfer) is used, eliminating the need for a converter amplifier from both the balanced and unbalanced outputs.

(4) Cast aluminum chassis base.

A non-magnetic chassis base reducing mutual interference due to vibrations is used to protect the music signals against such external influences as vibrations and magnetic forces.

Balanced type rheostat mode attenuator --

The dividing mode attenuators now used in audio devices have the property that the thermal agitation noise generated by the attenuator is maximum at the position at which the signal level is cut in half. Because of this, when actually listening to music, more thermal agitation noise is mixed in with the music signals than when the attenuator is at the maximum position.

The rheostat mode attenuator has the property that the thermal agitation noise decreases linearly as the attenuator is turned down from the maximum position, thereby achieving an S/N ratio better than indicated in the catalog specifications when actually listening to music.

The PRA-S1 uses fully balanced type rheostat mode attenuators, eliminating the influence of the signal ground and keeping the balanced transfer error in the attenuators extremely low.

2 NAMES AND FUNCTIONS OF PARTS (Refer to page 6, 7)

O POWER switch

When set to the ON (-) position, the power turns on and the muting circuit is activated for several seconds.

When set to the OFF (x) position, the power turns off.

POWER Indicator

This indicates the set's operating status.

The indicator turns green after the power turns on

DC OUTPUT terminals

These are the power output terminals for the control unit.

Connect the included DC power cords between these terminals and the DC INPUT terminals (19) on the control unit.

A FREQUENCY SELECTOR

Use this to select the frequency of the power unit's oscillator.

Use a flat screwdriver to change the selector's position.

Be sure to turn the power off before switching the frequency.

- . 100Hz Oscillator oscillates at 100Hz.
- . 150Hz Oscillator oscillates at 150Hz.
- . 200Hz Oscillator oscillates at 200Hz.
- . 250Hz Oscillator oscillates at 250Hz.
- 300Hz Oscillator oscillates at 300Hz.
- AC INPUT terminal

Connect the included AC Power cords to this terminal.

- NOTE: -

 Changing the FREQUENCY SELECTOR's position when the power is on (__) may damage the unit. Be sure to turn the power off first.

POWER indicator

This indicates the set's operating status.

The indicator flashes green for several seconds when the power is turned on and when the position of the EQ POWER switch (1) is changed, indicating that the muting circuit is activated. In the normal operating mode, the indicator is green when it is set to the ON () position.

Also, if the protective circuit is activated (due to DC output abnormal temperature rise, etc.), the indicator flashes and the output is interrupted. If this happens, turn the power off immediately, then check the connections, etc.

BALANCE control

Use this to adjust the balance between the left and right speakers. When set to the center position, the amplification is the same for the left and right speakers.

If there seems to be a difference in the output voltage of the input component for the left and right channels, turn this control clockwise () to increase the volume of the right channel, counterclockwise () to increase the volume of the left channel. (The control can be set to 11 positions, including the central position.)

ATTENUATOR

Use this to adjust the volume. Turn clockwise (\cap) to increase the volume, counterclockwise (\cap) to decrease it.

- REC OUT SELECTOR (recording output selector) Use this to select the output source for recording onto a tape deck, etc.
 - SOURCE
 Set to this position when recording. The
 recording output is the source selected with
 the INPUT SELECTOR ®.
 - OFF
 In this position, the recording output is
 turned off. For higher quality playback
 sound, we recommend keeping the selector
 at this position when not recording.
 - TAPE-1 > 2
 Use this position when making copies of tapes using two tape decks. The input signal from the deck connected to the TAPE-1 input jacks is fed to the TAPE-2 REC OUT jacks, regardless of the position of the INPUT SELECTOR ①.
 - TAPE-2 ➤ 1
 Use this position when making copies of tapes using two tape decks. The input signal from the deck connected to the TAPE-2 input jacks is fed to the TAPE-1 REC OUT jacks, regardless of the position of the INPUT SELECTOR ①.
- SUBSONIC switch Set this switch to the ON (—) position when playing records to prevent subsonic speaker vibration due to vibration of the record player's motor or vibration caused by warping of the record.
- (Phono equalizer power switch)
 When set to the ON () position, the power of the phono equalizer circuit turns on, and when set to the OFF (») position, the power of the phono equalizer circuit turns off.
 When this switch is operated, the muting circuit is activated for several seconds and the pre-out signals are set to the ground levet.
 Set this switch to the ON () position when playing records (analog discs). [Also set the INPUT SELECTOR (D) to the PHONO position.) For sources other than records, we recommend setting this switch to the OFF (») position for higher sound quality.

(D) INPUT SELECTOR

Use this to select the playback source.

• PHONO

Set to this position to play the turntable connected to the PHONO jacks on the rear panel, Also set the EQ POWER switch ① to the ON (-) position.

The PRA-S1's PHONO input is for MM cartridges. When using an MC cartridge, input the signals via an MC cartridge step-up transformer, etc.

TUNER

Set to this position to play the AM/FM tuner connected to the TUNER jacks on the rear panel.

• CD

Set to this position to play the CD player connected to the CD jacks on the rear panel.

. BALANCED-1

Set to this position when playing a CD player equipped with a balanced output terminal and connected to the BALANCE-1 terminal on the rear panel.

. BALANCED-2

Set to this position when playing a CD player equipped with a balanced output terminal and connected to the BALANCE-2 terminal on the rear panel.

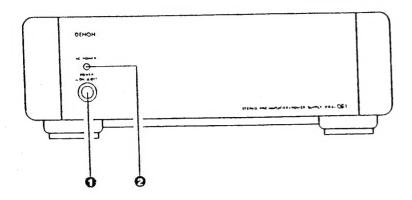
. TAPE-1

Set to this position to play the tape deck connected to the TAPE 1 jacks on the rear panel.

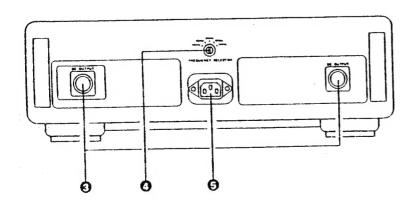
. TAPE-2

Set to this position to play the tape deck connected to the TAPE-2 jacks on the rear panel.

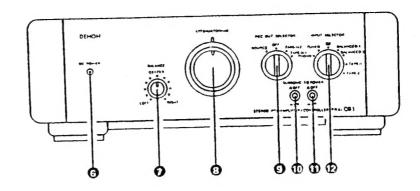
POWER UNIT FRONT PANEL FRONTPLATTE DES NETZGERÄTES PANNEAU AVANT DE L'UNITÉ D'ALIMENTATION



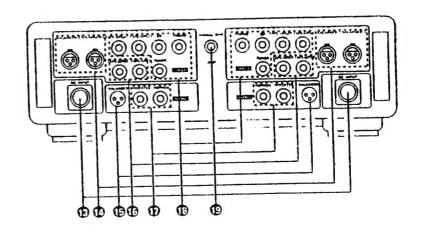
POWER UNIT REAR PANEL RÜCKSEITE DES NETZGERÄTES PANNEAU ARRIERE DE L'UNITÉ D'ALIMENTATION



CONTROL UNIT FRONT PANEL STEUEREINHEIT FRONTPLATTE UNITÉ DE COMMANDE PANNEAU AVANT



CONTROL UNIT REAR PANEL STEUEREINHEIT RÜCKWAND UNITÉ DE COMMANDE PANNEAU ARRIERE



COSTONE . EC

D DC INPUT terminals

These are the power input terminals for the control unit.

Connect the included DC power cords between these terminals and the DC OUTPUT terminals \odot on the power unit.

(D) BALANCED INPUT terminals

These are cannon input terminals for connecting a CD player or other playback component equipped with balanced outputs.

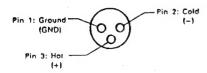
The polarities of the pins are as follows:



(B) BALANCED OUTPUT terminals

These are cannon output terminals for connecting power amplifier equipped with balanced inputs.

The polarities of the pins are as follows:



REC OUT (recording output) Jacks These are recording output jacks for connection to tape decks. PRE OUT terminals

Connect the power amplifier here.

· NORMAL (normal phase output)

The same signals as the signals from BA-LANCE OUTPUT terminal pin 3 (hot) are output from this terminal.

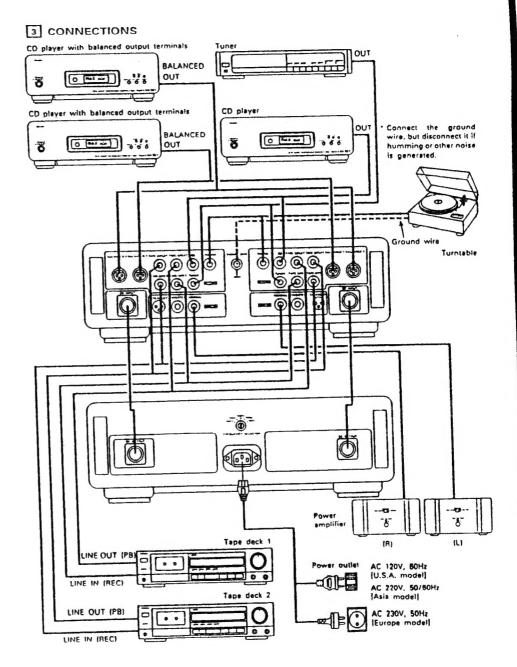
. INVERTED

The same signals as the signals from BA-LANCE OUTPUT terminal pin 2 (cold) are output from this terminal.

(D) INPUTS jacks

These are input jacks for CD players, turntables, AM/FM tuners, tape decks or other playback components.

(E) GND (ground) terminal Connect the turntable's ground wire here.



Cautions on Connections

- . Do not plug in the power cord until all connections are completed.
- · Be, sure to connect the left and right channels properly.
- · Insert the plugs securely, incomplete connections can result in noise.
- The PHONO input jacks have an extremely high sensitivity, so avoid turning up the volume when no pin plug cords are connected. Doing so may result in induction humming (booming) from the speakers. When pin plug cords are not connected, insert the included short-circuit pin plug.
- Be sure to connect the connection cords between the control unit and power unit properly, L (left) to L, R (right) to R. If either or both the sides are connected incorrectly, the protective circuit is activated and the power cannot be turned on.

Protective circuit

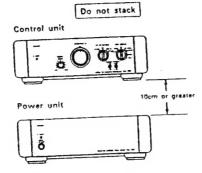
• The PRA-S1 is equipped with a high-speed protective circuit.

The protective circuit sets the output to the ground level if there is a problem with the set to protect the internal circuitry and the connected equipment.

If the protective circuit is activated, turn off the power, check the connections, then turn the power back on. The set will operate normally in a few seconds after the muting circuit turns off.

Cautions on Installation

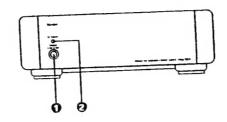
. To allow for heat discharge, do not stack the control unit directly on top of the pawer unit or vice versa. Leave a space of at least 10 cm between them.

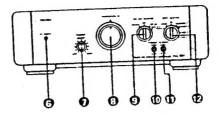


- . When installing in a rack, be sure the shelf is sufficiently thick and strong enough to support the set's weight.
- · When connecting using the balanced input and output terminals, check that the polarity of the other unit is the same as the PRA-S1's.

4 OPERATIONS

- Make sure that all connections are proper.
- . Set the BALANCE control 0 to the center position.
- . Set the POWER switch () to the ON () position





Playing records

- 1. Set the INPUT SELECTOR 10 to the PHONO
- 2. Set the EQ POWER switch (to the ON (-)
- 3. Set the record on the turntable and start play-
- 4. Adjust the VOLUME () and BALANCE () controls to the desired levels.

Playing CDs

(when the CD player is connected to the CD jacks)

- 1. Set the INPUT SELECTOR 10 to the CD position.
- 2. Set the CD in the CD player and start playback.
- 3. Adjust the VOLUME () and BALANCE () controls to the desired levels.

Listening to the radio on the tuner (when the tuner is connected to the TUNER jacks)

- 1. Set the INPUT SELECTOR 10 to the TUNER
- 2. Tune the radio to the desired station.
- 3. Adjust the VOLUME () and BALANCE () controls to the desired levels.

Playing a component connected to a balanced input terminal

- 1. Set the INPUT SELECTOR ® to the *BALANCED-1" or "BALANCED-2" position.
- 2. Begin playback on the component connected to the balanced input terminal.
- 3. Adjust the VOLUME () and to BALANCE () controls to the the desired levels.

Playing a tape deck

- 1. Set the INPUT SELECTOR ® to the TAPE-1 or TAPE-2 position.
- 2. Set the tape in the tape deck and start playback.
- 3. Adjust the VOLUME @ and BALANCE @ controls to the desired levels.

Copying tapes

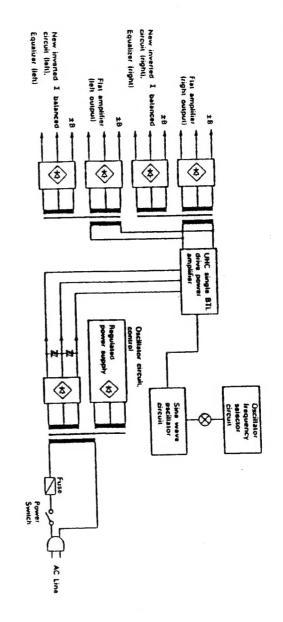
(Refer to the tape decks' instructions.)

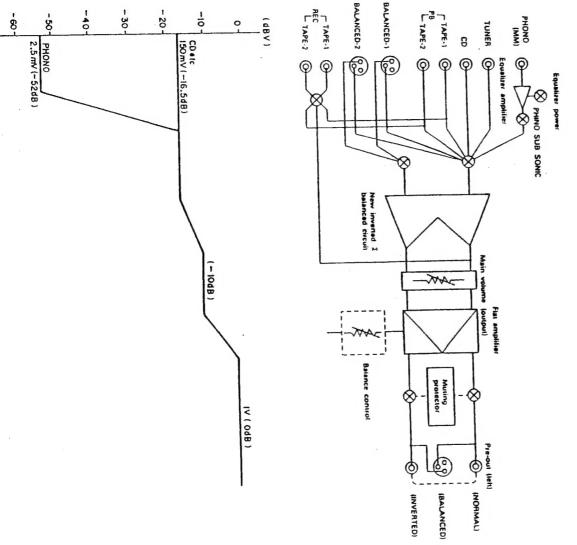
- 1. Select the tape deck using the REC OUT SELEC-
 - . To record from the deck connected to the TAPE-1 jacks, set to the TAPE-1 > 2 position.
 - . To record from the deck connected to the TAPE-Z jacks, set to the TAPE-2 1 position.
- 2. Set the tape deck onto which you want to record to the recording mode.
- 3. Set the tape deck from which you want copy to the play mode.

Recording onto a tape deck (other than for copying tapes)

- 1. Select the source to be recorded using the INPUT SELECTOR .
- 2. Set the REC OUT SELECTOR ® to the SOURCE position.
- 3. Set the tape deck onto which you want to record to the recording mode. (Refer to the tape deck's instructions.)
- 4. Play the source to be recorded.

5 BLOCK DIAGRAM





6 SPECIFICATIONS

Control unit

Rated output:

NORMAL, INVERTED BALANCED

:1 V : 2 V

Input sensitivity / impedance:

PHONO (MM)

: 150 mV/47 kΩ/ohm CD, TUNER, TAPE-1, TAPE-2 BALANCED-1, BALANCED-2

PHONO

: 150 mV/100 kΩ /ohm : 20Hz to 20kHz, ±0.3dB

: 2.5 mV/47 kΩ /ohm

RIAA deviation: Total harmonic distortion rate:

0.005% or less

: 91 dB

S/N ratio (A network):

PHONO (MM)

(input terminals short-circuited,

5 mV input signaff

CD. TUNER, TAPE-1, TAPE-2

: 108 dB

(input terminals short-circuited)

Maximum external dimensions: 434 (W) imes 145 (H) imes 443 (D) mm

17-3/32" × 5-45/64" × 17-5/64"

(including feet, controls and jacks)

Weight:

17.4 kg (38 lbs 7 oz)

Power (power generator) unit

Power supply:

AC 120 V, 60 Hz AC 220 V, 50/60Hz [U.S.A. model] [Asia model]

AC 230 V, 50 Hz

(Europe model)

Power consumption:

120 W

[U.S,A. model]

110 W

(Asia & Europe model)

Maximum external dimensions: 434 (W) × 145 (H) × 426 (D) mm

17-3/32" × 5-45/64" × 16-49/64" (including feet, controls and jacks)

Weight:

24.8 kg (54 lbs 12 oz)

7 TROUBLESHOOTING

Check the following before assuming there is a problem with the set.

1. Are all connections proper?

2. Is the set being operated as described in the operating instructions?

3. Are the power amplifier and input components being operated properly?

If the set does not seem to be operating properly, check the points listed below. If these points do not apply, the set may be damaged. Turn off the power immediately and contact your store of purchase.

T	Symptom	Cause	Measures
	Power indicator does not light and no sound is produced when POWER switch is turned on.	 Power cord is not plugged into outlet. Power cord is not plugged into AC inlet. 	Check that the cord is plugged in. Check that the cord is plugged in.
	Power indicator lights but no sound is produced.	Incomplete connections to power smplifier. INPUT SELECTOR nat set to proper position. VOLUME control turned down.	Connect securely. Set to the proper position. Set to an appropriate level.
FM broadcasts.	Sound is not produced from one side only.	Incomplete connections to power amplifier. Input cards not properly connected. Lehtright baterice improperly adjusted.	Connect securely. Connect securely, Adjust the BALANCE control.
Problems of	Volume tevet is different when listening to tunar and records.	Tuner and record outputs different.	 Adjust the tuner output to the turnt- able's output (if the rece' is equipped with an output control).
	Positions of instruments inverted for stereo sources.	 Left and right power amplifier or input cords inverted. 	Check the left/right connections.
Dukeid	Booming sound produced when playing records	Turntable's ground wire not connected. Input cords not properly connected to PHONO jacks. Influence from a TV or VCR near the turntable.	Connect securely. Connect securely. Change the position of installation.
ems occurring when	Howling produced when volume is turned up white playing records.	Turntable and speaker systems are too close. Floor is soft and vibrates easily. The soft and vibrates easily.	 Move speaker systems as far away as possible. Use cushions to absorb the vibrations transmitted from the floor to the speakers. If the turntable does not include insulators, use audio insula- tors, available in stores.
Problems	Sound is distorted.	Stylus pressure is too light. Dirt on tip of stylus. Detective cartridge.	Apply proper pressure. Check the tip of the stylus. Replace the cartridge.

DISASSEMBLY

(To reassemble reverse disassembly)

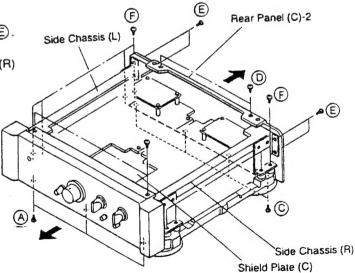
[CONTROL UNIT]

1. Outside Parts

Top Grille 1. Remove 12 screws (A), and then detach Top Plate and Top Grille as show as arrow. 2. Remove 4 screws (B) and detach 2 Back Fools. 3. Remove 2 screws (and 2 screws (a. . Detach Rear Panel. 4. Remove 6 screws (E) and 4 screws (F) . > Top Plate Detach Side Panel as show as arrow. Rear Panel (C)-1 Side Panel Side Panel

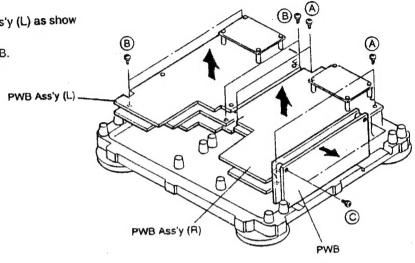
2. Front Panel, Rear Panel and Side Chassis

1. Remove 3 screws (A) and 2 screws (B) . Detach Front Plate as show as arrow. 2. Remove 4 screws (C), 2 screws (D) and 4 screws (E). Detach Rear Panel as show as arrow. 3. Remove 8 screws (F), then detach Side Chassis (R) and Side Chassis (L).



3. PWB Ass'y and PWB

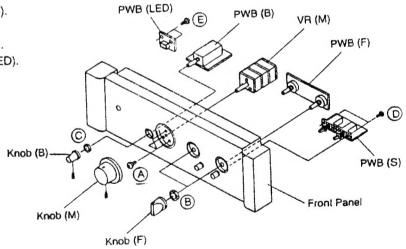
- Remove 4 screws (A), and then detach PWB Ass'y (R) as show as arrow.
- 2. Remove 4 screws (B) , Detach PWB Ass'y (L) as show as arrow.
- 3. Remove 2 screws (C) , and detach PWB.



4. Each Front Panel PWB

- Loosen knob (M) screw and remove knob (M).
 Remove 3 screws (A) and detach VR (M).
- Loosen 2 knob (F) screws and remove knob (F).
 Remove 2 nuts (B) and detach PWB (F).
- 3. Loosen knob (B) screw and remove knob (B).

 Remove nut © and detach PWB (B).
- 4. Remove 2 screws (D) and detach PWB (S).
- 5. Remove 2 screws (E) and detach PWB (LED).



[POWER UNIT]

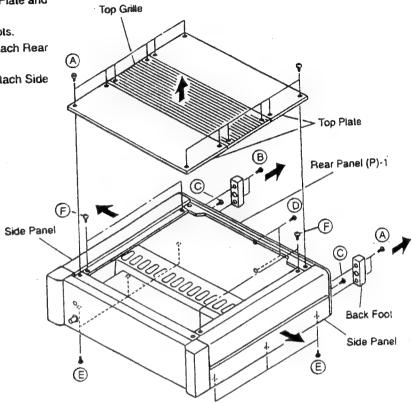
1. Outside Parts

 Remove 12 screws (A), and then detach Top Plate and Top Grille as show as arrow.

2. Remove 4 screws (B) and detach 2 Back Foots.

3. Remove 2 screws (and 2 screws (and 2 screws (b)). Detach Rear

4. Remove 6 screws (E) and 4 screws (F) . Detach Side Panel as show as arrow.

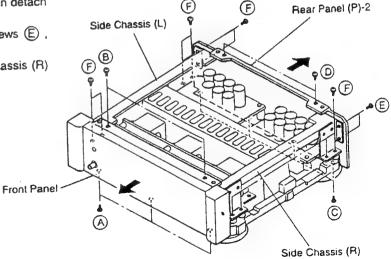


ront Panel, Rear Panel and Side Chassis

Remove 3 screws (A) and 2 screws (B) , then detach Front Panel as show as arrow.

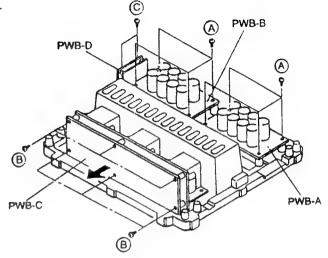
 Remove 4 screws © , 2 screws © and 4 screws E , Detach Rear Panel as show as arrow,

3. Remove 8 screws (F), then detach Side Chassis (R) and Side Chassis (L).



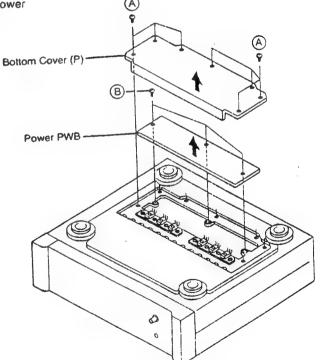
3. PWB and Transformer

- 1. Remove B screws (A), then detach PWB-A and PWB-B.
- 2. Remove 6 screws (B) , and then detach PWB-C.
- 3. Remove 2 screws © , Detach PWB-D.



4. Power PWB

Remove 7 screws (A) , and then detach Bottom Cover (P).



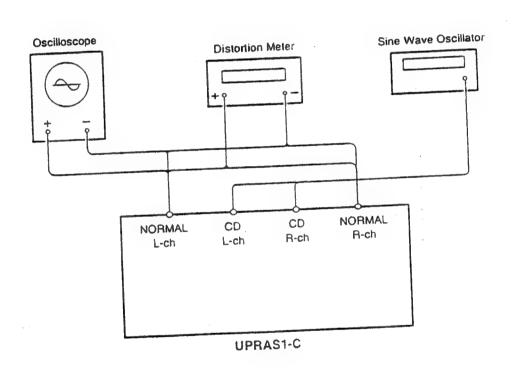
ADJUSTMENT

DISTORTION ADJUSTMENT

- 1. Measurement Equipment Required for Adjustment
 - Oscilloscope
 - Distortion Meter
 - Sine Wave Oscillator

- 1. Connect sine wave oscillator to CD input terminal, and input 1KHz 1Vrms signal. 2.Adjustment
 - 2. Connect oscilloscope and distortion meter to NORMAL output terminal, turn the Main Volume maximum.

 - 4. Rotate L-ch (1U-2747-1) VR301 and R-ch (1U-2748-1) VR302 so as to obtain the smallest value of distortion. 3. Turn the unit power switch ON.
 - 5. Turn the unit power switch OFF, then disconnect measurement equipment.



POWER AMPLIFIER STAGE (POWER UNIT)

1. Idle Current Adjustment

Turn VR301, VR302 fully counterclockwise.

Disconnect lead connectors (CN301, CN302) and turn the power switch ON.

(*1) Connect a DC voltmeter to Test Point (TP1) and obtain a DC voltage at the same Test Point as follows.

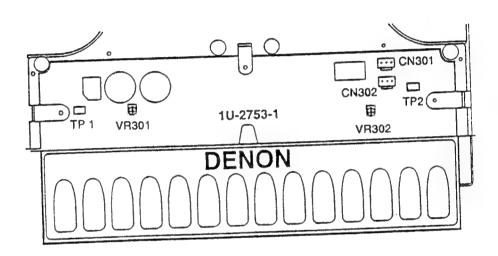
Turn VR301 clockwise and adjust the voltage to 10mV ±2mV.

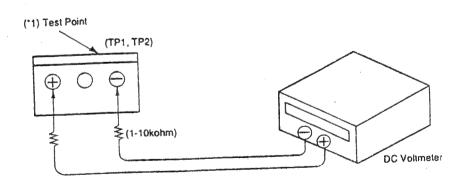
Keep warm up 5 minutes, adjust the above voltage to 10mV ±1mV.

Keep warm up 10 minutes, confirm the above voltage to 10mV ±1mV.

Adjust the voltage with VR302 the same procedure as to the above for TF2.

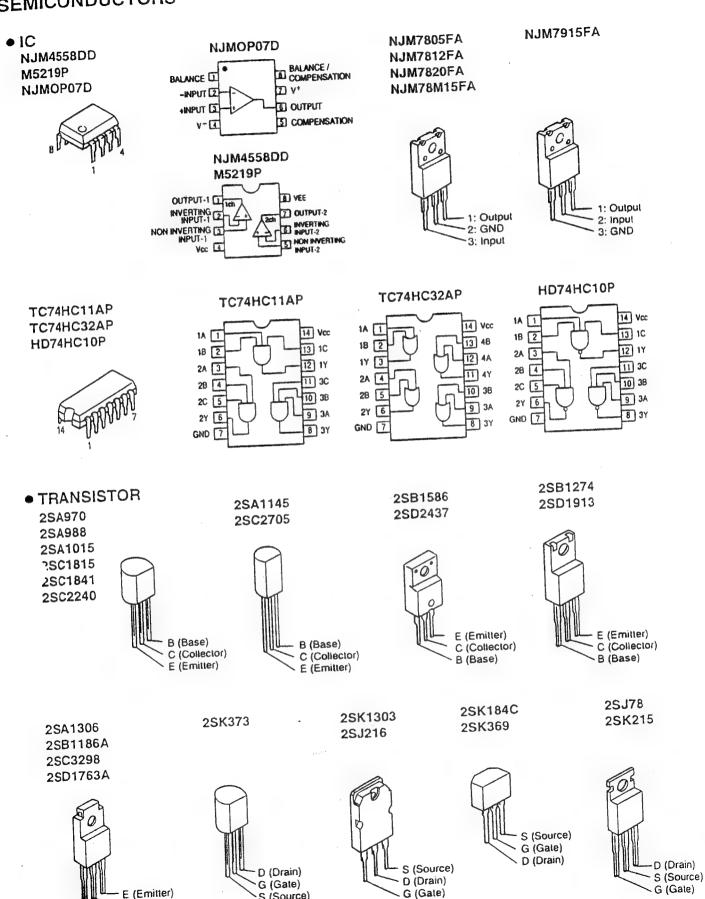
After ward connect lead connectors (CN301, CN302).





Note 1: Be sure to connect a oscillation preventive resistor (1 kohm ~ 10 kohm) on the tip of DC Voltmeter probe.

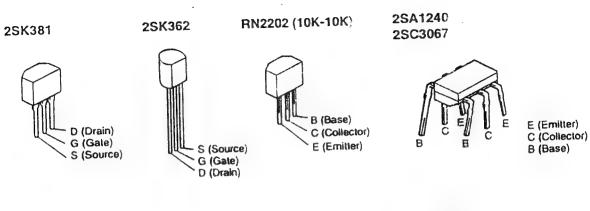
SEMICONDUCTORS



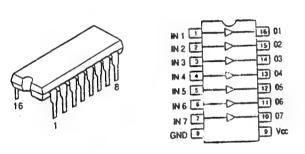
S (Source)

C (Collector) B (Base)

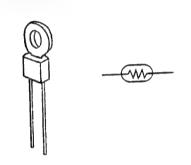
PRA-S1



LB1701 (Transistor Array)

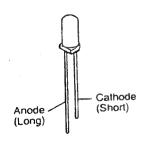


• POSISTOR PTH9M04BD222TS2F333

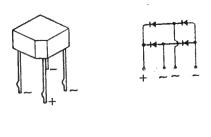


DIODE (I	nclude LED)		S2K20F	1SR35-200A
HZ3A-1	HZ16-1	1SS270A	52K2UF	•
HZ3B-2	HZ18-1	1S2076A		
HZ3C-1	HZ18-3		_	
HZ5B-1	HZ20L-2			<u> </u>
HZ5C-1	HZ24-1			
HZ6C-1			★ □	₹ ∪ ∥
HZ9C-1		+	. §	//
HZ6LA-1				11 11
	\			~

SEL-2210E SEL-4414G (GREEN)



4D4B42



8 1U-2747 Input (L) Unit Ass'y TR32t ---

PRINTED WIRING BOARD (Pattern side)

1U-2748 Input (R) Unit Ass'y Α TR318 TR322 --R334 TR320

ZD352

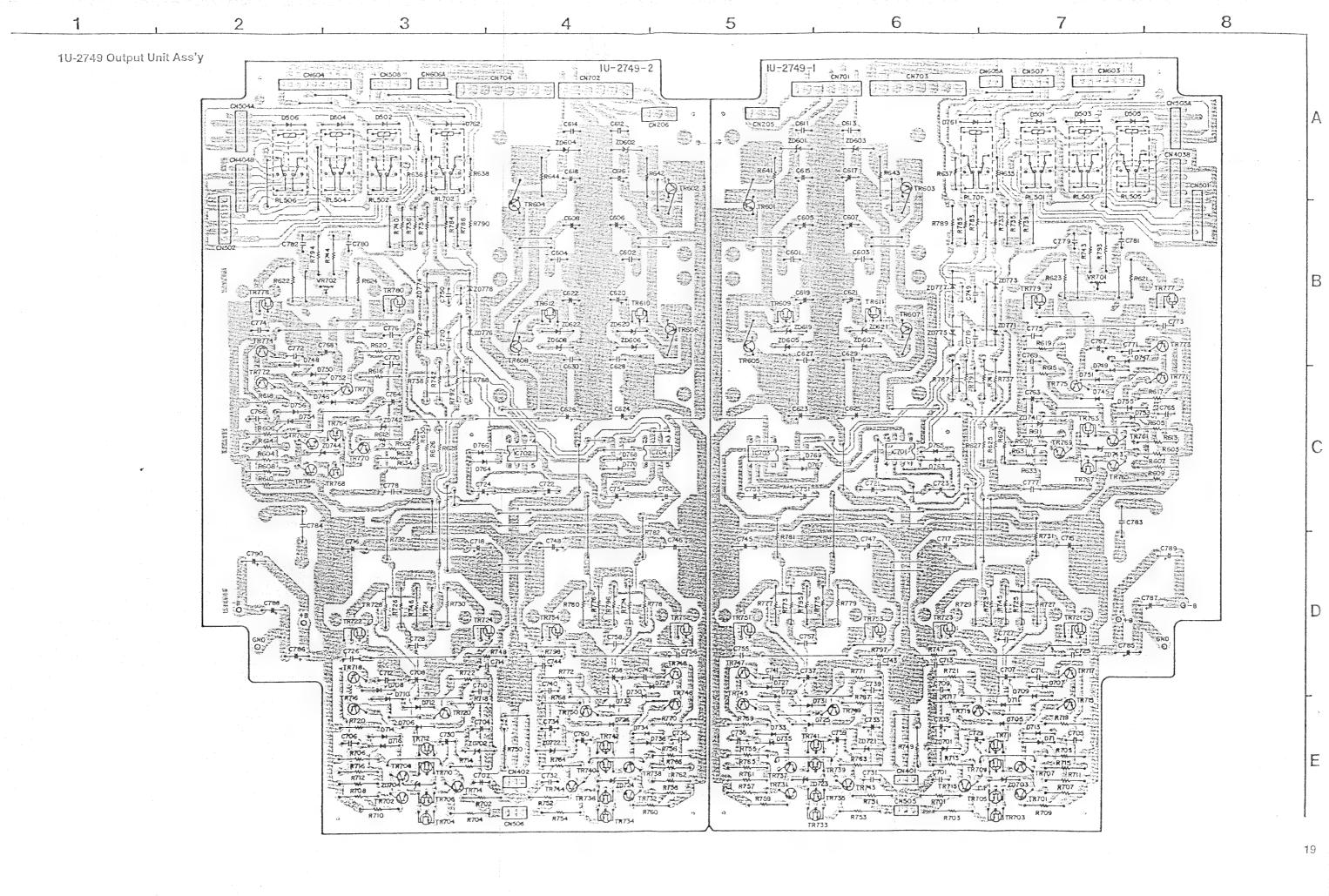
ZD352

ZD352

TR324 •H+ (E) B TR338 TR328
TR326
TR330 -414-C332 C C220 D

18

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Ö

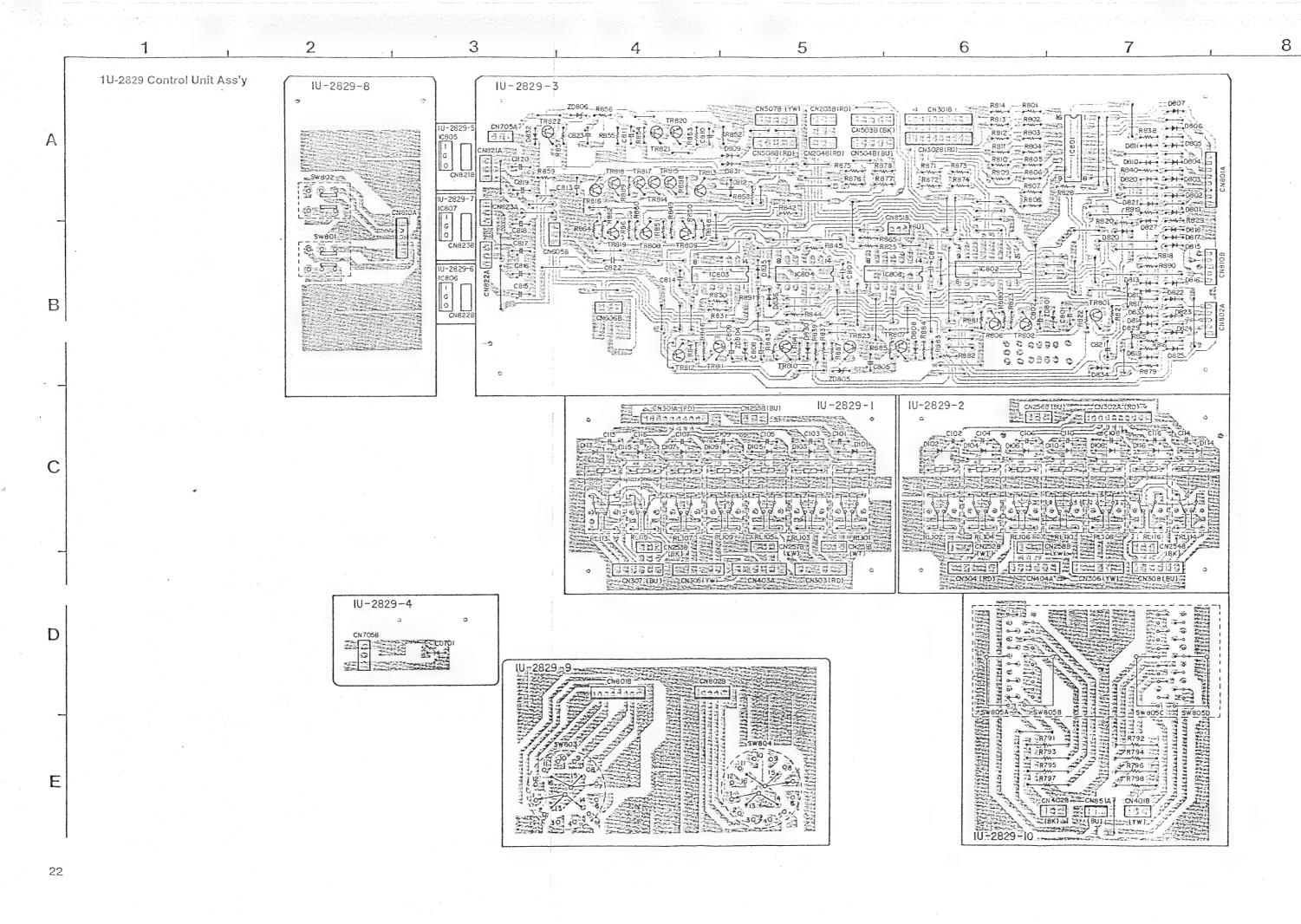
8 3 1U-2754 Power Supply Unit Ass'y IU-2754-I IU-2754-2 ₹R504 +[#]C502 (AL) % CN505 IU-2754-3

2

E

5

5

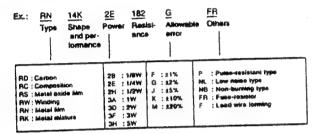


NOTE FOR PARTS LIST

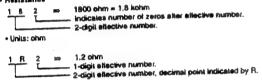
- Part indicated with the mark * * are not always in stock and possibly to take a long period of time for supplying, or in some case supplying of part may be refused.
- When ordering of part, clearly indicate "1" and "!" (i) to avoid mis-supplying.
- Ordering part without stating its part number can not be supplied.
- Part indicated with the mark "** is not illustrated in the exploded view.
- Not including Carbon Film ±5%, 1/4W Type in the P.W.Board parts list. (Refer to the Schematic Diagram for those parts.)

Parts marked with this symbol A have critical characteristics. Use ONLY replacement parts recommended by the manufacturer.

Resistors

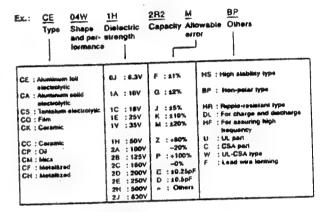


- Resistance 1 B 2

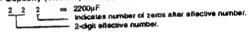


• Units: ohm

Capacitors



· Capacity (electrolyte only)



• Units: µF.

Capacity (except electrolyte)

- Units: µF.

When the dielectric strength is indicated in AC, "AC" is included after the dielectric strength value.

PARTS LIST OF PRINTED WIRING BOARD

3-2141)1	NPUT(L)	NIT(Control Unit)	Remaks	Ref.No	Part .No	Part Name	Remaks
Ref.No	Part .No	Part Name	Hemaks	TR431	273 0281 906	Transistor 2SC2705(O)(Y)TPE6	
SEMICON	DUCTORS G	ROUP		D111	276 0049 914	Diode 1S2076ATE	
TR209	271 0094 919	Transistor 2SA970(BL)TPE2		D117	276 0049 914	Diode 1S2076ATE	
TR211	273 0281 906	Transistor 2SC2705(O)/(Y)TPE6		D211	276 0049 914	Diode 1S2076ATE	
TR213	273 0281 906	Transistor 2SC2705(O)/(Y)TPE6		D215	276 0049 914	Diode 1S2076ATE	
TR215	275 0038 045	Transistor 2SK369(BL)/(GR)-C		D217	276 0049 914	Diode 1S2076ATE	
TR217	275 0042 905	Transistor 2SK373(Y)TPE2		0219	276 0049 914	Diode 1\$2076ATE	
TR221	275 0038 045	Transistor 2SK369(BL)/(GR)-C		D2 21	276 0049 914	Diode 1S2076ATE	
TR223	273 0187 932	Transistor 2SC2240(BL/GR)TPE	2	D223	276 0049 914	Diode 1S2076ATE	
TR225	271 0168 900	Transistor 2SA1145(O)/(Y)TPE6		0225	276 0049 914	Diode 1S2076ATE	
TR227	273 0324 009	Transistor 2SC3298(O/Y)		D241	276 0049 914		
TR229	273 0281 906	Transistor 2SC2705(O)/(Y)TPE6		D243	276 0049 914	Diode 1S2076ATE	
TR231	271 0196 008	Transistor 2SA1306 O/Y		D301	276 0049 914		
TR233	273 0281 906	Transistor 2SC2705(O)/(Y)TPE6	'	D303	276 0049 914		
TR241	275 0038 045	TOWNS AND MODIC		D305	276 0049 914	2	
TR243	275 0038 045			D307	276 0049 914		
TR301	273 0431 002			D311	276 0049 914		
TR305	275 0042 905			D401	276 0049 91	- CONSTRATE	
TR307	275 0042 905			D403	276 0049 91	Diode 1S2076ATE	
TR309	273 0281 003					2 Zener Diode HZ3A-1TE	
TR313	271 0253 000			ZD201	276 0299 94	A STORE A ATTO	
TR317	275 0055 91		6	ZD203	276 0407 91		
TR319	271 0168 90	I		ZD301	276 0256 91	TO	
TR321	271 0168 90	T COMPANY OF T		ZD303	276 0407 9		
TR323	275 0048 91	- a constroi (O) (OATO	E6	ZD307	276 0249 9	14710 077	
TR325	273 0281 90			ZD309	276 0249 9		
TR327	273 0281 90			ZD311	276 0313 9	0770	
TR329	273 0431 00			ZD313	276 0313 9	Disda 1719 ITE	
TR333	275 0069 00 275 0068 00			ZD351	276 0249 9	21 Zenci Sioss III	
TR335	275 0069 0	200000			393 9503 9	05 LED SEL4414G(TP1)	
TR337	275 0068 0			LD401	393 9503 9		
TR339	274 0167 0			LD403	393 9503		
TR343				LD405	393 9503		
TR345		A TOTAL PROPERTY.		LD407	293 9203	300	
TR347			PE6			L d Corbon F	iim +5% 1/4W type)
TR351	ARE 0040 (- DUCATOR OT DEC		RESIS		JP (not included Carbon F	V06PB471
TR349		- autonotini MCDI	-c	VR301	211 6075	095 Adjust 470ohm (CERMET)	VUOL DALL
TR401							RD05A2H100JF RM0
TR403				R205	241 2440	1 400.41	RD05A2H473JF RM0
TR405		TOWNS OF THE PROPERTY OF THE P		R207	241 2447		RD05A2H221J RFA
TR40		**************************************		R211	241 2457		RD05A2H221J RFA
TR40				R213	241 2457	14.004	RD05A2H470JF RM
1	270.0400	918 Transistor 2SC1815(BL)TP	E2	R215	241 244		RD05A2H103J RMC
TR41	070.0100	918 Transistor 2SC1815(BL)TP	E2	R217	241 243	1	RD05A2H102J RMC
TR41	0100		PE6	R219			RD05A2H105JF RM
i	274 0450	900 Transistor 2SA1145(O)/(Y)	TPE6	R221	241 245	4 2011	RD05A2H473JF RM
TR41	074.0469	200445500000		R225			RD05A2H392J RM0
TR42		900 Transistor 2SA1145(O)/(Y)	TPE6	R227			RD05A2H101J RFA
TR42		900 Transistor 2SA1145(O)/(Y)	TPE6	R229	- 1		RD05A3A220J RM0
TR42		900 Transistor 2SA1145(O)/(Y)	TPE6	R231	241 246	1 002 Carbon 220hm 1W	
1 1714	27 27 018	- · · · · · · · · · · · · · · · · · · ·	TPE6	11			

2-4 11-	Part No	Part Name	Remaks	Ref.No	Part .No	Part Name	Remaks
Ref.No		Carbon 91kohm 1/2W	RD05A2H913JF RMG	R423	241 2444 760	Carbon 1.2kohm 1/2W	RD05A2H122JF RMG
R233	241 2448 753	Carbon 2.7kohm 1/2W	RD05A2H272J RMG	R425	241 2456 046	Carbon 120ohm 1/2W	RD05A2H121J RFA
R237	241 2438 734		RD05A2H561J RFA	R427	241 2456 046	Carbon 120ohrn 1/2W	RD05A2H121J RFA
R239	241 2458 002	Carbon 560ohm 1/2W	RD05A3A220J RMG	R429	241 2456 059	Carbon 130ohm 1/2W	RD05A2H131J RFA
R241	241 2461 002	Carbon 22ohm 1W	RD05A2H221JF RMG	R431	241 2456 059	Carbon 130ohm 1/2W	RD05A2H131J RFA
R243	241 2434 725	Carbon 220ohm 1/2W	RD05A2H104JF RMG	R433	241 2456 059	Carbon 130ohm 1/2W	RD05A2H131J RFA
R245	241 2448 766	Carbon 100kohm 1/2W	RD05A2H105JF RMG	R435	241 2456 059	Carbon 130ohm 1/2W	RD05A2H131J RFA
R247	241 2450 796	Carbon 1Mohm 1/2W	RD05A2H820JF RMG	R437	241 2444 731	Carbon 910ohm 1/2W	RD05A2H911JF RMG
R249	241 2442 720	Carbon 82ohm 1/2W	RD05A2H683JF RMG	R439	241 2444 731	Carbon 910ohm 1/2W	RD05A2H911JF RMG
R273	241 2448 724	Carbon 68kohm 1/2W		R441	241 2444 731	Carbon 910ohm 1/2W	RD05A2H911JF RMG
R275	244 2052 928	Metal oxide 47ohm 1W	RS14B3A470JNBST S	R443	241 2434 767	Carbon 1kohm 1/2W	RD05A2H102J RMG
R277	244 2052 928	Metal oxide 47ohm 1W	RS14B3A470JNBSTS	R445	241 2434 767	Carbon 1kohm 1/2W	RD05A2H102J RMG
			DDOS ACULIOS IS DIAG	R447	241 2434 767	Carbon 1kohm 1/2W	RD05A2H102J RMG
301	241 2450 796	Carbon 1Mohm 1/2W	RD05A2H105JF RMG	R449	241 2444 731	Carbon 910ohm 1/2W	RD05A2H911JF RMG
R303	241 2434 767	Carbon 1kohm 1/2W	RD05A2H102JF RMG	[]	241 2444 731	Carbon 910ohm 1/2W	RD05A2H911JF RMG
R30 5	241 2448 740	Carbon 82kohm 1/2W	RD05A2H823JF RMG	R451	241 2444 731	Carbon 910ohm 1/2W	RD05A2H911JF RMG
R307	241 2448 740	Carbon 82kohm 1/2W	RD05A2H823JF RMG	R453	241 2434 767	Carbon 1kohm 1/2W	RD05A2H102J RMG
R309	241 2438 721	Carbon 2.2kohm 1/2W	RD05A2H222JF RMG	R455	241 2456 020	Carbon 100ohm 1/2W	RD05A2H101J RFA
R311	241 2438 721	Carbon 2.2kohm 1/2W	RD05A2H222JF RMG	R461		Carbon 100ohm 1/2W	RD05A2H101J RFA
R315	241 2441 763	Carbon 47ohm 1/2W	RD05A2H470JF RMG	R463	241 2456 020	Carbon 1Kohm 1/2W	RD05A2H102JF RMG
R317	241 2444 786	Carbon 1.5kohm 1/2W	RD05A2H152J RMG	R471	241 2434 767	Carbon 1Kohm 1/2W	RD05A2H102JF RMG
R319	241 2447 754	Carbon 36kohm 1/2W	RD05A2H363JF RMG	R473	241 2434 767		RD05A2H243J RMG
R321	241 2457 003		RD05A2H221J RFA	P1485	241 2447 712		RD05A2H243J RMG
R323	241 2457 003		RD05A2H221J RFA	P487	241 2447 712	Carbon 2.2Kohm 1/2W	RD05A2H222J RMG
R325	241 2447 754	- 1 001-hm 4 100M	RD05A2H363JF RMG	R489	241 2438 721	0.016.1 4.00141	RD05A2H222J RMG
R327	241 2445 714	A	RD05A2H202JF RMG	R491	241 2438 721	1 714 - han 1 1714	RD05A2H472J RMG
R329	241 2434 767	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	RD05A2H102JF RMG	R493	241 2438 763	4.0041	RD05A2H162J RMG
R331	241 2450 796	0 1 - 434shm 4/00M	RD05A2H105JF RMG	R495	241 2444 799	a circle that	RD05A2H162J RMG
R333	241 2458 060	A	RD05A2H102J RFA	R497	241 2444 799	Carbon 1.6Kohm 1/2W	11003/ 2111020
R335	241 2458 060	4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	RD05A2H102J RFA				
	241 2458 060	1 at at at a 100M	RD05A2H102J RFA	CAPAC	TORS GROU	P	
R337	241 2458 066		RD05A2H102J RFA		254 4313 950	100 F/F0V	CE04W1H101MT ASF
39	241 2450 712	1001-1-1014	RD05A2H434JF RMG	C111	254 4313 95		CE04W1H101MT ASF
R341		1001-1-1500	RD05A2H434JF RMG	C117	1	- 1 - 1 - 1 7 - FIENV	CE04W1H4R7MC ARS
R343	241 2450 713		RD05A2H103J RMG	C201	254 4461 71	- A T. EIENV	CE04W1H4R7MC ARS
R345	241 2438 78	401-1-4704	RD05A2H103J RMG	C203	254 4461 71		CO09S2B103K B
R347	241 2438 78	100 5 - 45044	RD05A2H431J RFA	C205	255 6167 00	- LI AND FERNY	CE04W1H101MT ASF
R349	241 2457 07		RD05A2H431J RFA	C215	254 4313 95	1	CQ09S2B103K B
R3 51	241 2457 07	- I - contrat - contrat	RD05A2H104J RMG	C219	255 6167 00	THE REAL PROPERTY.	CO09S2B103K B
R353	241 2448 76	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	RD05A2H104J RMG	C221	255 6167 00		CO09S2B151KF B
R35 5	241 2448 76	6 Carbon 100Kohm 1/2W	LINDONE LINDS HAIR	C223	255 6187 01		CO09S2B472KF B
			DOOG AQUE 12 IE BMG	C225	255 6187 04		CO93M1H183J
R401	241 2447 79	1	RD05A2H513JF RMG	C229	255 1265 96		CO09S2B152KF B
R403	241 2447 79	1	RD05A2H513JF RMG	11 6231	255 6175 07		
R405	241 2443 74	1	RD05A2H391JF RMG	11 6233	255 6187 O		CO09S2B560KFB
R407	241 2443 74		RD05A2H391JF RMG	11 (235	254 4356 7		CE04W1H470MC ARS
R409	241 2447 7		RD05A2H243JF RMG	11 6237	254 4347 7	\$	CE04W1H4R7MC ARS
R411	241 2447 7	12 Carbon 24kohm 1/2W	RD05A2H243JF RMG	11 6239	254 4356 7	39 Electrolytic 47µF/50V	CE04W1H470MC ARS
R413	241 2447 7	Carbon 36kohm 1/2W	RD05A2H363JF RMG	C241	255 6187 0	22 Film 680pF/125V	CQ09S2B681KFB
R415	241 2447 7		RD05A2H363JF RMC	C245	254 4347 7	35 Electrolytic 4.7µF/50V	CE04W1H4R7MC AR
R417	241 2444 7		RD05A2H122JF RMG	C247	255 6187 0		CO09S2B472KF B
R419	241 2444 7		RD05A2H122JF RMG	C249	254 4313 9	- L	CE04W1H101MT ASF
1 1419	1 211 21111	60 Carbon 1.2kohm 1/2W	RD05A2H122JF RM0	UZ43	23, 1019		

	D - 1 21 -	Part Name	Remaks	Ref.No	Part .No	Part Name	Remaks
Ref.No	Part .No		CF93A1H224JT	C429	255 6175 034	Likii 1000; 1:50,	CO09S2B101KF B
C251	256 1035 910	Metallized 0.22µF/50V	CF93A1H683J	C431	255 6175 034	Litti 100b; 11eo.	CQ09S2B101KF B
C253	256 1034 953	Film 0.068µF/50V	CE04W1H470MC ARS	C445	255 6167 042	Lilli di Andri i i rea.	CO09S2B471KF B
C261	254 4356 739	Electrolytic 47µF/50V	CE04W1H470MC ARS	C461	255 6167 000	Lilli O'O thri i i co.	CO09S2B103K B
C263	254 4356 739	Electrolytic 47µF/50V	CE04W1H470MC ARS	C463	255 6167 000	Little O'O (My) year.	CO09S2B103K B
C265	254 4356 739	Electrolytic 47µF/50V	CQ09S2B103K B	C465	254 4356 742	Electrolytic 470µF/50V	CE04W1H471 ARS
C287	255 6167 000	Film 0.01µF/125V	COOSEDION	C467	254 4356 742	Electrolytic 470µF/50V	CE04W1H471 ARS
			CQ09S2B470K B	C469	254 4356 742	Electrolytic 470µF/50V	CE04W1H471 ARS
C301	255 6167 039	Film 47pF/125V	CQ09S2B470K B	C471	254 4356 742	Electrolytic 470µF/50V	CE04W1H471 ARS
C303	255 6167 039	Film 47pF/125V	i ii	C473		Film 0.01µF/125V	CQ09S2B103K B
C305	255 6167 000	Film 0.01µF/125V	CO09S2B103K B	C475	255 6167 000	Film 0.01µF/125V	CQ09S2B103K B
C313	255 6175 050	Film 39pF/125V	CO09S2B390KF B	C481	255 6175 034	Film 100pF/125V	CQ09S2B101KF B
C315	255 6175 050	Film 39pF/125V	CO09S2B390KF B	C483	255 6167 042		CQ09\$2B471K B
C317	255 6167 000	Film 0.01µF/125V	CQ09S2B103K B	C485	255 6181 028		CO09S2G330KF B
C319	255 6167 000	Film 0.01µF/125V	CO09S2B103K B	1	255 6175 034		CQ09S2B101KF E
C321	254 4356 742	Electrolytic 470µF/50V	CE04W1H471 ARS	C487	255 6167 042		CQ09S2B471K B
C323	254 4356 742		CE04W1H471 ARS	C489	255 6181 028		CQ09S2G330KF B
C325	255 6175 034	Film 100pF/125V	CQ09S2B101KF B	C491	254 4313 963		CE04W1H010MT ASF
C327	255 6175 034	- LOS EMOCH	CO09S2B101KF B	C493	254 4313 963	THE ALLEROY	CE04W1H010MT ASF
C329	255 6175 034		CQ09S2B101KF B	C495	254 4313 90	Capenory and Tyre	
C331	255 6175 034		CQ09S2B101KF B				
C333	255 6167 000		CQ09S2B103K B	OTHER	PARTS		1
C335	255 6167 000	THE THOUSA	CO09S2B103K B	BL111	214 0172 00	Relay (RY12W-OH)	
C337	255 4235 94		CO93P2A223J NH	RL117	214 0172 00		
C339	255 4235 94		CQ93P2A223J NH	RL209	214 0178 00	7 Relay (MR62-12USRY)	
	254 4356 74		CE04W1H471 ARS	RL213	214 0172 00	3 Relay (RY12W-OH)	
C341	254 4356 74	THE PERMIT	CE04W1H471 ARS				1
C343	254 4356 75		CE04W1H221MC ARS	CN201	205 0190 03	3P NH Connector Base	
C351	255 6167 00	54051	CQ09S2B103KF E	CN203A	205 0277 03	- 100))
C35 3	254 4356 75		CE04W1H221MC ARS	CN205A	205 0653 03		
C355	255 6167 00		CQ09S2B103K B	CN251A	205 0233 0	32 3P EH Connector Base	
C357	255 6167 00		CQ09S2B103K B	CN253A	205 0278 0	D /D/	0
C371	1		CQ09S2B103K B	CN255A		and my to a series Dago (B)	
C373	255 6167 0		CE04W1H471 ARS	CN257A		- 00	
C3 75	254 4356 7		CE04W1H471 ARS	11	205 0190 0		
C377	254 4356 7		CE04W1H4R7MC ARS	CN405	203 0130 0		
C379	254 4461 7		CE04W1H4R7MC ARS	11			
C381	254 4461 7		CE04W1H221MC ARS				
C383	254 4356 7		CE04W1H221MC ARS				
C385	254 4356 7		CO09S2B103K B	11			
C387	255 6167 0		CQ09S2B103K B				
C389	255 6167 (CF93B1H105K GSG				
C395	256 1054 (001 Film 1µF/50V					
		TIL AND FINDEN	CQ09S2B221KF B				
C401	255 6175	1	CO09S2B221KF B				
C403	255 6175		CQ09S2B472KF B				
C409	255 6187		CQ09S2B472KF B				
C411	255 6187		CE04W1H221MC AR	s			
C419	254 4356						
C421	254 4356	755 Electrolytic 220µF/50V	CE04W1H221MC AR				
C423	254 4356		CE04W1H221MC AR				
C425	254 4356	755 Electrolytic 220µF/50V	CE04W1H221MC AR	٠	.		

-2/40/		NIT (Control Unit)	Remaks	Ref.No	Part .No		Part Name	Remaks
ef.No	Part .No	Part Name	Hemaks	TR430	273 0281 906		sistor 2SC2705(OV(Y)TPE6	
SEMICON	DUCTORS G	ROUP		TR432	273 0281 906	Tran	sistor 2SC2705(O)/(Y)TPE6	
TR210	271 0094 919	Transistor 2SA970(BL)TPE2		D112	276 0049 914		e 1S2076ATE	
TR212	273 0281 906	Transistor 2SC2705(O)/(Y)TPE6		D118	276 0049 91	Dioc	le 1S2076ATE	
TR214	273 0281 906	Transistor 2SC2705(O)/(Y)TPE6		D212	276 0049 91		le 1S2076ATE	
TR216	275 0038 045	Transistor 2SK369(BL)/(GR)-C		D216	276 0049 91	4 Dio	ie 1S2076ATE	
TR218	275 0042 905	Transistor 2SK373(Y)TPE2	1	D218	276 0049 91	1 .	te 1S2076ATE	
TR222	275 0038 045	Transistor 2SK369(BL)/(GR)-C		D220	276 0049 91	4 Dio	de 1S2076ATE	
TR224	273 0187 932	Transistor 2SC2240(BL/GR)TPE2		0222	276 0049 91		de 1S2076ATE	
TR226	271 0168 900	Transistor 2SA1145(O)/(Y)TPE6		D224	276 0049 91	1	de 1S2076ATE	
TR228	273 0324 009	Transistor 2SC3298(OYY)		D226	276 0049 9		de 1S2076ATE	ļ
TR230	273 0281 906	Transistor 2SC2705(O)/(Y)TPE6		D242	276 0049 9		de 1S2076ATE	
TR232	271 0196 008	Transistor 2SA1306 O/Y		D244	276 0049 9	1	de 1S2076ATE	
234	273 0281 906	Transistor 2SC2705(O)/(Y)TPE6		D302	276 0049 9		ode 1S2076ATE	
TR242	275 0038 045	Transistor 2SK369(BL)/(GR)-C		D302	276 0049 9		ode 1S2076ATE	
TR244	275 0038 045	Transistor 2SK369(BL)/(GR)-C		D306	276 0049 9	1	ode 1S2076ATE	
TR302	273 0431 002	Transistor 2SC3067		D308	276 0049 9	l	ode 1S2076ATE	
TR306	275 0042 905			D312	276 0049 9		ode 1S2076ATE	,
TR308	275 0042 905			D402	276 0049 9		ode 1S2076ATE	
TR310	273 0281 003			D404	276 0049		iode 1S2076ATE	
TR314	271 0253 006	Transistor 2SA1240F/G						
TR318	275 0055 915	Transistor 2SK184C(GR)/(BL)		ZD202	276 0299	942 Z	ener Diode HZ3A-1TE	
TR320	271 0168 900	Transistor 2SA1145(O)/(Y)TPE6		ZD204	276 0407	l l	ener Diode HZ6LA-1TD	
TR322	271 0168 900	Transistor 2SA1145(O)/(Y)TPE6	·	ZD302	276 0256	914 2	ener Diode HZ16-1TE	
TR324	275 0048 91	Transistor 2SK381(B)/(C)-T		ZD304	276 0407	1	ener Diode HZ6LA-1TD	
TR326	273 0281 90	Transistor 2SC2705(O)/(Y)TPE		ZD308	276 0249		ener Diode HZ18-3TD	
TR328	273 0281 90	6 Transistor 2SC2705(O)/(Y)TPE	6	20310	276 0249	918	Lener Diode HZ18-3TD	
TR330	273 0431 00			Z0312	276 0313	938	ener Diode HZ20L-2TD	
TR334	275 0069 00	1 Transistor 2SK215		ZD314	276 0313	938	Zener Diode HZ20L-2TD	
TR336	275 0068 00			20352	276 0249	921	Zener Diode HZ18-1TE	
TR338	275 0069 00	Transistor 2SK215		25002		1		
340	275 0068 00	7 Transistor 2SJ78		LD402	393 9503	905	LED SEL4414G(TP1)	
TR344	274 0167 0	7 Transistor 2SD2437		LD404	393 950		LED SEL4414G(TP1)	
TR346	272 0128 0			LD406	393 950		LED SEL4414G(TP1)	l
TR348	275 0042 9	Transistor 2SK373(Y)TPE2	1	LD408	393 950		LED SEL4414G(TP1)	
TR350	275 0042 9	05 Transistor 2SK373(Y)TPE2		1				
TR352	273 0281 9	TO A COMPACTOR MATERIAL PROPERTY OF THE PARTY OF THE PART	E6					
							ot included Carbon Fi	Im ±5% 1/4W type)
TR402	275 0038 0			RESI			OF MUIDLES CEDITED	V06PB471
TR404	275 0038 0	Transistor 2SK369(BL)/(GR)-		VR302	211 607	5 095	Adjust 470ohm (CERMET)	700. 5
TR406	275 0038 0	Transistor 2SK369(BL)/(GR)-					a must	RD05A2H100JF RMG
TR408	275 0038	Transistor 2SK369(BL)/(GR)-		R206	241 24		Carbon 10ohm 1/2W	RD05A2H473JF RMG
TR410		TO THE STORY STORY	2	R208	241 24		Carbon 47kohm 1/2W	RD05A2H221J RFA
TR412				R212	241 24		Carbon 220ohm 1/2W	RD05A2H221J RFA
TR414		TOTAL STREET		R214	241 24	57 00 3	Carbon 220ohm 1/2W	RD05A2H470JF RMC
i				R216	241 24	41 763	Carbon 47ohm 1/2W	RD05A2H103JF RMC
TR416	074 0468			R218	241 24	38 763	Carbon 10Kohm 1/2W	
TR418	074 0460			R220	1 0	34 068	Carbon 1kohm 1/2W	RD05A2H102J RMG
TR420	074.0460	The second secon		R222		50 796	Carbon 1Mohm 1/2W	RD05A2H105JF RM0
TR422		TOOLS AS A SECONDATION OF THE PARTY OF THE P		R226		47 783	Carbon 47kohm 1/2W	RD05A2H473JF RM
TR424	0450			R228		45 057	Carbon 3.9kohm 1/2W	RD05A2H392J RMG
TR426	1	900 Transistor 2SA1145(O)/(Y)T		11				

	,		Damaka	Ref. No.	Part No.	Part Name	Remaks
Ref. No.	Part No.	Part Name	Remaks			Carbon 1.2kohm 1/2W	RD05A2H122JF RMG
R230	241 2456 020	Carbon 100ohm 1/2W	RD05A2H101J RFA	R420	241 2444 760	Carbon 1.2kohm 1/2W	RD05A2H122JF RMG
R232	241 2461 002	Carbon 22ohm 1W	RD05A3A220J RMG	R422		Carbon 1.2kohm 1/2W	RD05A2H122JF RMG
R234	241 2448 753	Carbon 91kohm 1/2W	RD05A2H913JF RMG	R424	241 2444 760	Carbon 120ohm 1/2W	RD05A2H121J RFA
R238	241 2438 734	Carbon 2.7kohm 1/2W	RD05A2H272J RMG	R426	241 2456 046	Carbon 120ohm 1/2W	RD05A2H121J RFA
R240	241 2458 002	Carbon 560ohm 1/2W	RD05A2H561J RFA	R428	241 2456 046	Carbon 130ohm 1/2W	RD05A2H131J RFA
R242	241 2461 002	Carbon 22ohm 1W	RD05A3A220J RMG	R430	241 2456 059	Carbon 130ohm 1/2W	RD05A2H131J RFA
R244	241 2434 725	Carbon 220ohm 1/2W	RD05A2H221JF RMG	R432	241 2456 059	Carbon 130ohm 1/2W	RD05A2H131J RFA
R246	241 2448 766	Garbon 100kohm 1/2W	RD05A2H104JF RMG	R434	241 2456 059	Carbon 130ohm 1/2W	RD05A2H131J RFA
R248	241 2450 796	Carbon 1Mohm 1/2W	RD05A2H105JF RMG	R436	241 2456 059	Carbon 910ohm 1/2W	RD05A2H911JF RMG
R250	241 2442 720	Carbon 82ohm 1/2W	RD05A2H820JF RMG	R438	241 2444 731	Carbon 910ohm 1/2W	RD05A2HS11JF RMG
R274	241 2448 724	Carbon 68kohm 1/2W	RD05A2H683JF RMG	R440	241 2444 731	Carbon 910ohm 1/2W	RD05A2H911JF RMG
R276	244 2052 928	Metal oxide 47ohm 1W	RS14B3A470JNBSTS	R442	241 2444 731		RD05A2H102J RMG
	244 2052 928	Metal oxide 47ohm 1W	RS14B3A470JNBST S	R444	241 2434 767	Carbon 1kohm 1/2W	RD05A2H102J RMG
R278	244 2002 411			R446	241 2434 767	Carbon 1kohm 1/2W	RD05A2H102J RMG
2000	241 2450 796	Carbon 1Mohm 1/2W	RD05A2H105JF RMG	F1448	241 2434 767	Carbon 1kohm 1/2W	RD05A2H911JF RMG
R302	241 2434 767	Carbon 1kohm 1/2W	RD05A2H102JF RMG	R450	241 2444 731	Carbon 910ohm 1/2W	RD05A2H911JF RMG
R304		Carbon 82kohm 1/2W	RD05A2H823JF RMG	R452	241 2444 731	Carbon 910ohm 1/2W	RD05A2H911JF RMG
R30 6	241 2448 740	Carbon 82kohm 1/2W	RD05A2H823JF RMG	R454	241 2444 731	Carbon 910ohm 1/2W	RD05A2H102J RMG
R308	241 2448 740	Carbon 2.2kohm 1/2W	RD05A2H222JF RMG	R456	241 2434 767	Carbon 1kohm 1/2W	RD05A2H101J RFA
R310	241 2438 721	1 0 0 m to 1 10 M	RD05A2H222JF RMG	R462	241 2456 020		RD05A2H101J RFA
R312	241 2438 721	40000	RD05A2H470JF RMG	R464	241 2456 020		RD05A2H102JF RMG
R316	241 2441 763	A WALL TO A POAR	RD05A2H152J RMG	R472	241 2434 767		RD05A2H102JF RMG
R318	241 2444 786		RD05A2H363JF RMG	R474	241 2434 767		RD05A2H243JF RMG
R320	241 2447 754		RD05A2H221J RFA	R486	241 2447 712		
R32 2	241 2457 003		RD05A2H221J RFA	R488	241 2447 713		RD05A2H243JF RMG
R324	241 2457 003		RD05A2H363JF RMG	R490	241 2438 72		RD05A2H222JF RMG
R326	241 2447 754		RD05A2H202JF RMG	R492	241 2438 72		RD05A2H222JF RMG
R328	241 2445 714	A London 1900	RD05A2H102JF RMG	R494	241 2438 76		RD05A2H472JF RMG
R330	241 2434 76		RD05A2H105JF RMG	R496	241 2444 79	Garbon 1.6Kohm 1/2W	RD05A2H162JF RMG
R332	241 2450 79		RD05A2H102J RFA	R498	241 2444 79	9 Carbon 1.6Kohm 1/2W	RD05A2H162JF RMG
R334	241 2458 06		RD05A2H102J RFA				
R336	241 2458 06		RD05A2H102J RFA		NEODE CROI	ID.	
R338	241 2458 06		RD05A2H102J RFA		CITORS GROU		CE04W1H101MT ASF
R340	1	0 Carbon 1kohm 1/2W	RD05A2H434JF RMG	C112	1	Electrolytic 100µF/50V	CE04W1H101MT ASF
R342	241 2450 71		RD05A2H434JF RMG	C118	254 4313 95	- LANGERON	CE04W1H4R7MC ARS
R344	241 2450 71		1	C202	254 4461 7		CE04W1H4R7MC ARS
R346	241 2438 78		RD05A2H103J RMG	C204	254 4461 7		CQ09S2B103K B
R348	241 2438 78		RD05A2H103J RMG	C206	255 6167 0		CE04W1H101MT ASF
R350	241 2457 07		RD05A2H431J RFA	C216	254 4313 9		CQ09S2B103K B
R352	241 2457 0		RD05A2H431J RFA	C220	255 6167 0		CQ09S2B103K B
R354	241 2448 7		RD05A2H104JF RMG	C222	255 6167 0		CQ09S2B151KF B
R356	241 2448 7	66 Carbon 100Kohm 1/2W	RD05A2H104JF RMG	C224	255 6187 0		
				C226	255 6187 0		CQ09S2B472KF B
F1402	241 2447 7	96 Carbon 51kohm 1/2W	RD05A2H513JF RMG	C230	255 1265 9		CO93M1H183J
R404	241 2447 7		RD05A2H513JF RMG	C232	255 6175 0		CO09S2B152KF B
F1406	241 2443 7		RD05A2H391JF RMG	C234	255 6187 (CO09\$2B560KF B
R408	241 2443 7		RD05A2H391JF RMG	C236	254 4356		CE04W1H470MC ARS
_	241 2447 7		RD05A2H243JF RMG	C238			CE04W1H4R7MC AR
R410	241 2447 7		RD05A2H243JF RMG	C240	254 4356		CE04W1H470MC AR
R412	241 2447 7		RD05A2H363JF RMG	C240	255 6187	- AND THOTY	CQ09S2B681KF B
R414	1	4 4014/	RD05A2H363JF RMG	- 11	254 4347		CE04W1H4R7MC AR
R416	241 2447 7	60 Carbon 1.2kohm 1/2W	RD05A2H122JF RMG	C246	207 70		

Ref. No.	Part No.	Part Name	Remaks	Ref. No.	Part No.	Part Name	Remaks
	255 6187 048	Film 0.0047µF/125V	CQ09S2B472KF B	C416	255 6187 051	I lists occopy y tags :	0009S2B331KF B
C248	254 4313 950	Electrolytic 100µF/50V	CE04W1H101MT ASF	C420	254 4356 755	Ciecación establista	CE04W1H221MC ARS
C250	254 4313 930	Metallized 0.22µF/50V	CF93A1H224JT	C422	254 4356 755	Clocker) and Emple	CE04W1H221MC ARS
C252	256 1033 910	Film 0.068µF/50V	CF93A1H683JT	C424	254 4356 755	Escapitar Trabata	CE04W1H221MC ARS
C254	254 4356 739	Electrolytic 47µF/50V	CE04W1H470MC ARS	C426	254 4356 755	Ciposolyto Zzopii	CE04W1H221MC ARS
C262		Electrolytic 47µF/50V	CE04W1H470MC ARS	C430	255 6175 034	Film 100pF/125V	CO09S2B101KF B
C264	254 4356 739	Electrolytic 47µF/50V	CE04W1H470MC ARS	C432	255 6175 034	Film 100pF/125V	CO09S2B101KF B
C266	254 4356 739	Film 0.01µF/125V	CQ09S2B103K B	C446	255 6167 042	Film 470pF/125V	CO09S2B471KF B
C288	255 6167 000	Fatt 0.0 tpt / 14.51		C462	255 6167 000	Film 0.01µF/125V	CO09S2B103K B
	000 0407 000	Film 47pF/125V	CQ09S2B470K B	C464	255 6167 000	Film 0.01µF/125V	CO09S2B103K B
C302	255 6167 039	Film 47pF/125V	CQ09S2B470K B	C466	254 4356 742	Electrolytic 470µF/50V	CE04W1H471 ARS
C304	255 6167 039	Film 0.01µF/125V	CQ09S2B103K B	C468	254 4356 742	Electrolytic 470µF/50V	CE04W1H471 ARS
C306	255 6167 000	F .	CQ09S2B390KF B	C470	254 4356 742	Electrolytic 470µF/50V	CE04W1H471 ARS
314	255 6175 050	Film 39pF/125V	CQ09S2B390KF B	C472	254 4356 742	Electrolytic 470µF/50V	CE04W1H471 ARS
C316	255 6175 050	Film 39pF/125V	CO09S2B103K B	C474	255 6167 000	Film 0.01µF/125V	CQ09S2B103K B
C318	255 6167 000	Film 0.01µF/125V	C009S2B103K B	C476	255 6167 000	Film 0.01µF/125V	CO09S2B103K B
C320	255 6167 000	Film 0.01µF/125V	CE04W1H471 ARS	C482	255 6175 034	Film 100pF/400V	CQ09S2B101KF B
C322	254 4356 742	Electrolytic 470µF/50V	CE04W1H471 ARS	C484	255 6167 042	Film 470pF/125V	CQ09S2B471K B
.C324	254 4356 742	Electrolytic 470µF/50V	C009S2B101KF B	C486	255 6181 028	Film 33pF/400V	CQ9S2G330KF B
C326	255 6175 034	Film 100pF/125V	CQ09S2B101KF B	C488	255 6175 034	Film 100pF/400V	CQ09S2B101KF B
C328	255 6175 034	Film 100pF/125V	CQ09S2B101KF B	C490	255 6167 042	Film 470pF/125V	CQ09S2B471K B
C330	255 6175 034	Film 100pF/125V		C492	255 6181 028	Film 33pF/400V	CO9S2G330KF B
C332	255 6175 034	Film 100pF/125V	CO09S2B101KF B	C494	254 4313 963		CE04W1H010MT ASF
C334	255 6167 000		CQ09S2B103K B	C496	254 4313 963		CE04W1H010MT ASF
C336	255 6167 000		CQ09S2B103K B	0.50			
C338	255 4235 743		CQ93P2A223JC NH		1		
C340	255 4235 743		CQ93P2A223JC NH	OTHER	PARTS		
C342	254 4356 742		CE04W1H471 ARS	RL112	214 0172 003		
C344	254 4356 742		CE04W1H471 ARS	RL118	214 0172 003		
C352	254 4356 755		CE04W1H221MCARS	RL210	214 0178 007		
C354	255 6167 000		CQ09S2B103K B	RL214	214 0172 003	Relay (RY12W-OH)	
356	254 4356 755		CE04W1H221MC ARS				
C358	255 6167 000	Film 0.01µF/125V	CO09\$2B103K B	CN202	205 0190 03		
C372	255 6167 000	1	CQ09S2B103K B	CN204A	205 0277 03)
C374	255 6167 000	Film 0.01µF/125V	CO09S2B103K B	CN206A	205 0653 03	3P VH Connector Base	
C376	254 4356 74	Electrolytic 470µF/50V	CE04W1H471 ARS	CN252A	205 0233 03		
C378	254 4356 74	Electrolytic 470µF/50V	CE04W1H471 ARS	CN254A	205 0278 03		
C380	254 4461 71	B Electrolytic 4.7µF/50V	CE04W1H4R7MC ARS		205 0276 03		
C382	254 4461 71	8 Electrolytic 4.7µF/50V	CE04W1H4R7MC ARS	CN258A		7 3P EH Connector Base (YV	0
C384	254 4356 75	5 Electrolytic 220µF/50V	CE04W1H221MC ARS	CN406	205 0190 03	6 3P NH Connector Base	
C386	254 4356 75	5 Electrolytic 220µF/50V	CE04W1H221MC ARS				
C388	255 6167 00	0 Film 0.01μF/125V	CQ09S2B103K B				
C390	255 6167 00		CQ09S2B103K B				
C396	256 1054 00		CF93B1H105K GSG				
C402	255 6175 06	3 Film 220pF/125V	CO09S2B221KF B	11			
	255 6175 06		CQ09S2B221KF B				
C404	255 6181 02		CQ09S2G330KF B				
C406	255 6181 02		CQ09S2G330KF B				
C408	255 6187 04		CQ09S2B472KF B				
C410	255 6187 04		CQ09S2B472KF B			•	
C412			CQ09S2B331KF B	11			
C414	255 6187 0	,, , , , , , , , , , , , , , , , , , ,					

J-2749)O	UTPUT	דואט	(Control Unit)	D	Ref.No	Pa	rt .No	Part Name	Remaks
Ref.No	Part .No		Part Name	Remaks		276 (0236 934	Zener Diode HZ5C-1TE	
SEMICON	DUCTORS	GRO	UP			i		Zener Diode HZ3B-2TE	
	263 0998 00		NJMOP-07D			ž.		Zener Diode HZ5C-1TE	1
10701-101	200 0111					1		Zener Diode HZ3B-2TE	
TR601,602	274 0167 0	7 Tra	ansistor 2SD2437			1	0236 934	Zener Diode HZ5C-1TE	
TR603,604	272 0128 0		ansistor 2SB1586		ZD743,744 ZD771~778			Zener Diode HZ6C-1TE	
TR605,606	274 0167 0	t	ansis 2SD2437		20//1-//6	1210	0170 00.		
TR607,608	272 0128 0	- 1	anuksto 2SB1586	İ				Lindad Carbon Fi	m +5% 1/4W type)
TR609-612	1	1	ansistor 2SK373(Y)TPE2		RESISTO			not included Carbon Fi	V04PB200 CERMET
11/003-01c					VR701,702	211	6122 003	Adjust 20ohm	V041-0200-021-11112-1
TR701,702	273 0281 9	06 TI	ransistor 2SC2705(O)/(Y)TPE6						RD05A2H753JF RMG
	275 0038		ransisto: 2SK369(GR)-C		R603.604	1	1 2448 737	Carbon 75kohm 1/2W	RD05A2H473JF RMG
TR707.708		1_	ransistor 2SC2705(O)/(Y)TPE6		R605,606	24	1 2447 783	Carbon 47kohm 1/2W	RD05A2H102JF RMG
	275 0038		ransistor 2SK369(GR)-C		R607610	24	1 2434 767	Carbon 1kohm 1/2W	RD05A2H681J RFA
		1	ransistor 2SC2705(O)/(Y)TPE6		R611,612	24	1 2458 028	Carbon 680ohm 1/2W	RD05A2H100JF RMG
TR713,714	8 271 0168		ransistor 2SA1145(O)/(Y)TPE6		R613,614	24	1 2440 706	Carbon 10ohm 1/2W	RD05A2H560JF RFA
			ransistor 2SC2705(O)/(Y)TPE6		R615,616	24	1 2455 047	Carbon 47ohm 1/2W	RD05A2H101J RFA
TR719,720	1		Fransistor 2SK215	}	R617,618	24	1 2456 020	Carbon 100ohm 1/2W	RD05A2H560JF RFA
TR721,722		1	Transistor 2SJ78		R619,620	1	41 2 45 5 047		RD05A2H330J RFA
TR723,724			Transistor 2SC2705(O)/(Y)TPE6		R621-62	4 2	41 2455 005	Carbon 33ohm 1/2W	RD05A2H471JF RMG
TR731,73	275 0038		Transistor 2SK369(GR)-C		R625-62	8 2	41 2443 76	1 Carbon 470ohm 1/2W	RD05A2H473JF RMG
		1	Transistor 2SC2705(O)/(Y)TPE6		R641-64	4 2	41 2447 78	3 Carbon 47kohm 1/2W	HDUSAZITA OSI TIMO
TR737,73	42 275 003	1	Transistor 2SK369(GR)-C					40014	RD05A2H104JF RMG
		- 1	Transistor 2SC2705(O)/(Y)TPE6		R701,70	2 2	241 2448 76	6 Carbon 100kohm 1/2W	RD05A2H100JF RMG
TR743,74	48 271 016	1	Transistor 2SA1145(O)/(Y)TPE6		R703,70	4 2	241 2440 70	6 Carbon 10ohm 1/2W	RD05A2H473JF RMG
		i	Transistor 2SC2705(O)/(Y)TPE	5	R705,70	6 2	241 2447 78	Carbon 47kohm 1/2W	RD05A2H753JF RMG
TR749,75		1	Transistor 2SK215		R707,70	- 1.	241 2448 73	Carbon 75kohm 1/2W	RD05A2H102JF RMG
TR751,75			Transistor 2SJ78		R709~7	12	241 2434 76	Garbon 1kohm 1/2W	RD05A2H681J RFA
TR753,75			Transistor 2SC2705(O)/(Y)TPE	6	R713,7	14	241 2458 0	28 Carbon 680ohm 1/2W	RD05A2H330J RFA
TR761,7			Transistor 2SK369(GR)-C		R715,7	16	241 2455 0	05 Carbon 33ohm 1/2W	RD05A2H560JF RFA
TR763,7			Transistor 2SC2705(O)/(Y)TPE	6	R717,7	18	241 2455 0	47 Carbon 47ohm 1/2W	RD05A2H101J RFA
TR765,7			Transistor 2SK369(GR)-C		R719,7	- 1	241 2456 0	20 Carbon 100ohm 1/2W	RD05A2H560JF RFA
TR767,7			Transistor 2SC2705(O)/(Y)TPE	6	R721,7	1	241 2455 0	Garbon 47ohm 1/2W	
	70 273 02		Transistor 2SA1145(O)/(Y)TPE		R723-	726	241 2440 7	706 Carbon 10ohm 1/2W	RD05A2H100J RMG
	774 271 01		Transistor 2SC2705(O)/(Y)TPE		R727-		241 2455 (005 Carbon 330hm 1/2W	RD05A2H330J RFA
ł	776 273 02		Transistor 2SK215		R731,7		241 2438	789 Carbon 10kohm 1/2W	RD05A2H103J RMG
TR777,					R733,		241 2445	798 Carbon 7,5kohm 1/2W	RD05A2H752J RMG
TR779,	780 275 00	00 002	11ch shapes		R735,		241 2440	706 Carbon 10ohm 1/2W	RD05A2H100JF RMG
	00 070 0	A0 01A	Diode 1S2076ATE		R737,		241 2438	776 Carbon 6.8kohm 17W	RD05A2H563JF RM
D501,5		49 914			R739,		241 2448	708 Carbon 56kohm 1/2W	RD05A2H100J RMG
D503-		49 914 40 914			R741		241 2440	706 Carbon 10ohm 1/2W	RD05A2H471JF RM
D705-		49 914 40 914			R743		241 2443	761 Carbon 470ohm 1/2W	RD05A2H105JF RM
D713-	1)49 914			R745		241 2450	796 Carbon 1Mohm 1/2W	
D725-)49 914	TF		R747		241 2450	725 Carbon 470kohm 1/2V	
D733,		049 914	- CONTRACT		R749		241 2442	788 Carbon 180ohm 1/2W	
D745-	1	049 914	- CONTRACTO		R751		241 2448	3 766 Carbon 100kohm 1/2V	RD05A2H104JF RA
D755,		049 91	S 4 COOTEATE		R753		241 244	0 706 Carbon 10ohm 1/2W	RD05A2H100JF RN
D761-	-774 276 (049 91	4 UKKUB 132070411C		- 11	5,756	241 244	7 783 Carbon 47kohm 1/2W	
			Dieda H70C-1TF		- 11	7,758	241 244		RD05A2H753JF HI
	1-604 276				11				RD05A2H102JF R
	5-608 276				- 11	9~762 3 764	241 245	1 4 PNA	RD05A2H681J RF
ZD61	9-622 276				H/6	3,764	241 240		
7070	1,702 276	0299.93	39 Zener Diode HZ3B-2TE						•

			Domoks	Ref.No	Part .No	Part Name	Remaks
Ref.No	Part .No	Part Name	Heisiaks		254 4313 934	Electrolytic 220µF/25V	CE04W1E221M ASF
	241 2455 005	CRIDON COOKER WAY	RD05A2H330J RFA	0.00,		Film 100pF/125V	CQ09S2B101KF B
R767,768	241 2445 047	Carbon 47 oran man	RD05A2H560JF RFA	4 ,	254 4356 739	Electrolytic 47µF/50V	CE04W1H470MC ARS
******	241 2456 020	Carbon 100ohm 1/2W	RD05A2H101J RFA	0,00,,00	255 6167 000	Film 0.01µF/125V	CO09S2B103KF B
R771,772	241 2445 047	Carbon 47ohm 1/2W	RD05A2H560JF RFA	C767,768	254 4356 713	Electrolytic 100µF/50V	CE04W1H101MC ARS
R773-776	241 2440 706	Carbon 10ohm 1/2W	RD05A2H100J RMG		255 6187 048	Film 0.0047µF/125V	CQ09S2B472KF B
R777-780	241 2455 005	Carbon 33ohm 1/2W	RD05A2H330J RFA	0.00,	255 6181 002	Film 10pF/400V	CO09S2G100KF B
R781,782	241 2438 789	Carbon 10kohm 1/2W	RD05A2H103J RMG	C771,772	255 6177 948	Film 100pF/50V	CO09S1H101J SMT
R783,784	241 2445 798	Carbon 7.5kohm 1/2W	RD05A2H752J RMG	C773,774	255 4235 743	Film 0.022µF/100V	CO93P2A223JC NH
R785,786	241 2440 706	Carbon 10ohm 1/2W	RD05A2H100JF RMG	C775,776	256 1035 936	Film 0.33µF/50V	CF93A1H334J
	241 2438 776	Carbon 6.8kohm 1/2W	RD05A2H682J RMG	C777,778	255 6176 004	Film 0.001µF/125V	CO09S2B102JF B
R787,788	241 2448 708	Carbon 56kohm 1/2W	RD05A2H563JF RMG	C779-782	256 1045 007	Film 1µF/16V	CF93B1J105K SA
R789,790	241 2440 706	Carbon 10ohm 1/2W	RD05A100J RMG	C783,784	250 1045 007		
R791,792	241 2443 761		RD05A2H471JF RMG				
3,794	241 2450 796	100	RD05A2H105JF RMG	OTHER F	ARTS		1
R795,796	241 2450 725		RD05A2H474JF RMG	RL501-506	214 0172 003	Relay (RY12W-OH)	
R797,798	241 2430 123			RL701,702			
				1.0.			
CAPACI	TORS GROU	P	DOMOGODION P	CN205,200	205 0653 03	3P VH Connector Base	
C601604	255 6167 000	Film 0.01µF/125V	CO09S2B103K B	CN401	205 0296 03	7 3P EH Connector Base ()	
C605-608		Electrolytic 100µF/50V	CE04W1H101MC ARS	CN402	205 0278 03	3P EH Connector Base (E	BK)
C611-614			CQ09S2B103K B	CN403,40	1		
C615-61			CE04W1H101MC ARS	CN501,50		_ #	BK)
C619-62	1050 70		CE04W1H470MC ARS	11	205 0278 05		BK)
C623-62			CE04W1H471 ARS	CN503	205 0276 05	Donn d	
C627-63			CQ09S2B103K B	CN504	205 0233 0	l Dana	
C027-00				CN505	205 0277 0		RD)
C701,70	2 255 6167 04	2 Film 470pF/125V	CO09S2B471KF B	CN506	205 0296 0	Dane.	
	004 4000 75		CE04W1H470MC ARS	CN507	205 0277 0		(RD)
C703,70			CQ09S2B103KF B	CN508			
C705,70			CE04W1H101MC ARS	CN603,6		- muse Page	
C707,70			CO09S2B472KF B	CN605,6		. 0	
709,71			CO09S2G470KF B	CN701.7		Dane	
11,71			CO09S2B101KF B	CN703,7	04 205 0055	01 111	
C713,71			CE04W1H221MC ARS				
C715-7			CO09S2B103KF B				
C719,7			CE04W1E221M ASF	11			
C721~			CO93P2A223JC NH				
C725,7		THE PROPERTY	CQ09S2B472KF B	11	1		
C727,7	10.00	i cmest	A THE THE PARTY ACE	11			
C729,7			CQ09S2B471KF B				
C731,7			CE04W1H470MC ARS	3	1		
C733,			CO09S2B103KF B				
C735,			CE04W1H101MC AR	s			
C737,			CQ09S2B472KF B				
C739,			CQ09S2G470KF B				
C741,			CQ09S2B101KF B				
C743				s			
C745		5 755 Electrolytic 220µF/50V	CQ09S2B103KF B				
C749	1	7 000 Film 0.01µF/125V		.			
C751	·	8 947 Electrolytic 220µF/25V	CE04W1E221M ASF				
C755	i i	5 743 Film 0.022μF/100V	CO93P2A223JC NH				
, 0.00	758 255 618	0.00.47EH96V	CQ09S2B472KF B	11	1	1	

		- D A RA	D & C	SC UNIT (Po	wer Unit)					Dar	Name	F	lemaks
J-2753)				SC UNIT (Po	Remaks	Ref.		Part		Fair			
Ref.No	Part			Name			SISTOR				TI (CERMET)	V06PE	3472 (CERMET)
SEMICON	DUCTO	RS GR	OUP			VR	01,302	211 60			.7kohm (CERMET)		
	268 00	73 905	C ICP-N						1		ude film 0.47ohm 1W	RS14	B2E3AR47JNBST(S)
IC101	262 21	51 005	IC TLP6		1	RI	51154	244 20					
IC151	263 05	16 001	IC NJM7		•	N .			1	(Non-b	iming type)	BD14	IB2E102JNBST
IC201		07 007	IC NUM	78M15FA		BI	5 5	241 2	379 987		1Kohm 1/4W		
IC305		61 001	IC NJM	7915FA	1					(Non-b	urning type)	BOI	4B2E473JNBST
IC203	1	30 004	IC NJM	4558DD		ll R	156	244 2	2383 986	Carbo	147Kohm 1/4W		
IC204,205	1	284 003	IC M52	19P						1	film 100Kohm 1/4W 1	Z RN1	4K2E104F
10301,302	2000					ll B	217	245	2342 000	Metal	film 100Komm 17477	RN	14K2E822F
	271 0	102 908	Transis	stor 2SA1015(Y)TPE2			218	245	2318 005	Melal	film 8.2Kohm 1/4W 15	BD	14B2E100JNBST
TR151	12/10	102 000				- 11	247,249	241	2375 907		on 100hm 1/4W	1	
	075	0039 002	Transi	stor 2SK362(GR)/(BL)		- 11 '				(Non	burning type)	BD	14B2E100JNBST
TR201	- 1	0198 918	Transi	istor 2SC1815(BL)TPI	2	- 11 .	R253	241	2375 907		on 100hm 1/4W	1	
TR202-2		0102 908	Trans	istor 2SA1015(Y)TPE	2					(Nor	-burning type)	, la	N14K2E391F
TR205	1	0198 918	Trans	istor 2SC1815(BL)TP	E2		R265	245	5 2289 00	B Met	al film 390ohm 1/4W 1	^ "	
TR206,2		0253 918	Trans	sistor 2SC2878(A/B)TI	E2					- 1		10/ 10	N14K2E222F
TR210			1	sistor 2SC1815(BL)TF	E2		R304	24	5 2304 00	6 Mel	al film 2.2Kohm 1/4W		N14K2E202F
i		0198 91	1	sistor 2SC1815(BL)TF	E2		R305		5 2303 00	17 Me	ial film 2Kohm 1/4W 1	% n	ID14B2E101JNBST
TR220,		0198 91	1	sistor 2SD1913(RVS)		- 11	R311,31		41 2377 94	47 Ca	rbon 100ohm 1/4W		101400010
TR223		0136 01		nsistor 2SC1815(BL)T	PE2	- 11	יטוונה			(N	on-burning type)	١,	AD14B2E101JNBST
TR231		3 0198 91	1	nsistor RN2202(10K-1	DK)T	- 11	R315,3	16 2	41 2377 9		rbon 100ohm 1/4W		4014022101010
TR233		9 0026 90		nsistor 2SD1913(R/S)			M212/0	[-		(N	on-burning type)	1	RD14B2E470JNBST
TR234		4 0136 0		nsistor 2SK373(Y)TPI	2	- 11	R317,3	18 2	241 2376 9		arbon 47ohm 1/4W		MUTABLE
TR235	5 27	5 0042 9	05 110				אינונא	,,,		- 10	Ion-burning type)	1	RD14B2E470JNBST
			Tra	ensistor 2SC18414-T(E/F)	11	R319,3	220	241 2376		arbon 47ohm 1/4W		AD HOLL WAS
TR30		73 0235 9	1	ansistor 2SA988-T(E/F	9	li li	HO 19%	320		10	Non-burning type)		RD14B2E102JNBST
TR30		71 0131 1		ansistor 2SA988-T(E/I	7	1	R321-	324	241 2379		Carbon 1Kohm 1/4W		HOIGHDEE
TR30	'' 1	71 0131		ansistor 2SC18414-T	E/F)	- 11	MOZ 11	-524		10	Non-burning type)		RW99=3HR33K
	,	73 0235	-	ransistor 2SD1913(R/S	5)	- 11	R325	226	243 2039	003	Winding 0.33ohm 5W		RN14K2E183F
TR30		274 0136	- (ransistor 2SD1913(R/	5)		R331	,	245 2325	: 001	Metal film 18Kohm 1/4	W 1%	RN14K2E223F
TR3		274 0136		ransistor 2SB1274(R/	5)		R332		245 232	7 009	Metal film 22Kohm 1/4	W 1%	RD14B2E4R7JNBST
TR3	1	272 0093		ransistor 2SK381(C)		1	R341		241 238	7 940	Carbon 4.7ohm 1/4W		HUI402L4
TR3	16,317	275 0043	1045	(G) Control of			H.S4	به ۱			(Non-burning type)		RS14B3A10QUNBST(
1				Diode 1SR35-200A(TS	3X)		R35	٨	244 204	3 937	Metal oxide film 10oh	m 1W	K3140041104
D10	1-104	276 055		Diode 4D4B42(LC1)			nas				(Non-burning type)		
D10	05	276 042	1	Diode 1S2076ATE					1				
101		276 004	1	Diode 1SR35-200A(T	93X)					20011			
1	01-205	276 055		Diode 1SR35-200A(T	93X)		C	APACI	TORS C	HUUI	Town A DIVERSOVA		CF93A2EAC103M
02	207,208	276 05		Diode 1SR35-200A(93X)		Δei	0)	256.80)23 00B	Film 0.01µF/250VA/ Metallized 0.1µF/25	٥٧	CF93A2E104KT
07	210	276 05		Diode 1SS106TD			200000	02	256 10	042 903	Metamzeu op		CE68W1J472M DL
	211	276 03		Diode 1SR35-200A(r93X)		C1	105,106		180 000	1 - 04 - EF	250VA	CF93A2EAC103M
ס	212-215		53 905	Diode 1SR35-200A(T93X)		C	108		023 006		50V	CEDAMITION
	217		53 905	Diode 1SR35-200A	T93X)		11	151		313 950	- POCMI	AC	CF93A2EAC103M
1	7221	_	53 905	Diode 1S2076ATE			Δc	152		3023 00	TIEOV/	a remarks	COSCIALLI
\ ()303-310		049 914		l l		2 3/14/09/09	201,20	2 256	1035 93	1	١V	CE04W1H010MT
. (0315	276 0	049 914	Diode 102070			- 11	203	254	4313 96			CO92M1H104JT M
				Zener Diode HZ5B	ITE.		- 11	2205		4199 90			CO92M1H104JT N
	ZD209		236 905	- 1170	-ITE		- 11	C207,20		4199 90		IEN/	CE04W1H101MT
	ZD225		236 905	- 1700	-ITE		- 11	C210	254	4313 9	Electrolytic 100µI	120V	CE04W1H220MT
	ZD227-2		0218 952	- U720	-1TE		- 11	C211	254	4313 9	21 Electrolytic 22µF	3UV	
	ZD301-3	276	0299 920		-1TE								
1	ZD311,3	1	0220 91	Zener Diode HZ24									

ief.No	Part .No	Part Name	Remaks	Ref.No	Part .No	Part Name	Remaks
C212,213	255 4199 902	Film 0.1µF/50V	CQ92M1H104JT MRZ	V/2M/01	212 1031 008	Power Swilch (1745)	
C214	254 4313 947	Electrolytic 4.7µF/50V	CE04W1H4R7MT ASF		212 0365 005	Rolary Switch (25)	
C215,216	254 4313 921	Electrolytic 22µF/50V	CE04W1H220MT ASF	CN020	205 0581 001	2P VH Connector Base	
C217,218	254 4387 012	Electrolytic 220µF/50V	CE04W1H222M ASF	CN101	205 0948 000	3P VH Connector Base	
C219	254 4313 918	Electrolytic 10µF/50V	CE04W1H100MT ASF	CN102	205 0581 098	3P VH Connector Base	
C220	254 4250 929	Electrolytic 100µF/6.3V	CE04W0J101MT SME	CN103	205 0833 034	3P VH Connector Base (YW)	
C222	254 4387 708	Electrolytic 470µF/50V	CE04W1H471MT ASF	CN104A,B	205 0233 074	7P EH Connector Base	
C221	254 4313 934	Electrolytic 47µF/50V	CE04W1H470MT ASF	CN1068	205 0190 036	3P NH Connector Base	į
C223	254 4313 921	Electrolytic 22µF/50V	CE04W1H220MT ASF	CN120	205 0453 003	2P VH Connector Base (L)	
C224	254 4481 905	Electrolytic 1µF/100V	CE04W2A010MT ASF	CN151	205 0633 018	3P VH Connector Base (BK)	
C226	253 1100 901	Ceramic 100pF/50V	CK45B1H101KT	CN152A	205 0947 001	2P VH Connector Base (BU)	
C227	254 4313 921	Electrolytic 22µF/50V	CE04W1H220MT ASF	CN152B	205 0581 085	2P VH Connector Base	
C228	254 4313 934	Electrolytic 47µF/50V	CE04W1H470MT ASF	CN201A,B	205 0233 032	3P EH Connector Base	1
1	254 4313 921	Electrolytic 22µF/50V	CE04W1H220MT ASF	CN202	205 0233 032	3P EH Connector Base	
C229		Electrolytic 47µF/50V	CE04W1H470MT ASF	CN203A,B	205 0233 045	4P EH Connector Base	
C231	254 4452 701	Electrolytic 10µF/50V	CE04W1H100MT ASF	CN301,302		3P VH Connector Base (RD)	
C241	254 4313 918	Electrolytic 100µF/6.3V	CE04W0J101MT SME	CN507B	205 0278 039	3P EH Connector Base (BK)	
C242	254 4250 929		CE04W1H101MT ASF	CN5088	205 0296 037	3P EH Connector Base (YW)	
C243	254 4313 950	Electrolytic 100µF/50V	CQ92M1H222JT MRZ	011000			
C244	255 1251 911	Film 0.0022µF/50V	CK45=1E104ZT	ΔF101.	206 1035 067	Fuse T2.5A	
C245	253 9036 909	Ceramic 0.1µF/25V	CK45F1H103ZT (DD-3)	企 F103,104 ¹¹	206 1035 009	Fuse T3.15A	
C251	253 1181 904	Ceramic 0.01µF/50V	CE04W1H010MT ASF	21,500,10			
C261	254 4313 963	Electrolytic 1µF/50V	CE04W1H100MT ASF	TP001,002	205 0653 036	3P VH Connector Base	
C262	254 4313 918	Electrolytic 10µF/50V		11.001,002	203 0000 000		}
C301	256 1035 091	Metallized 1µF/50V	CE04W1H100MT ASF				
C302	254 4313 918	Electrolytic 10µF/50V					
C303	255 1251 94 0	Film 0.0047µF/50V	CO92M1H472JT MRZ				
C304	255 4199 902	Film 0.1μF/50V	CQ92M1H104JT MRZ				
C305	254 4313 918	Electrolytic 10µF/50V	CE04W1H100MT ASF				
C308	254 4313 798	Electrolytic 220µF/50V	CE04W1H221MC ASF				
C309	255 6152 099	Film 10pF/250V	CO09S2E100J		ļ		
C310,311	254 4313 798	Electrolytic 220µF/50V	CE04W1H221MC ASF				
C312	253 1100 901	Ceramic 100pF/50V	CK45B1H101KT	H			
C313	254 4313 798	Electrolytic 220µF/50V	CE04W1H221MC ASF				
C315-318	254 4313 798	Electrolytic 220µF/50V	CE04W1H221MC ASF				
C319	254 4313 934	Electrolytic 47µF/50V	CE04W1H470MT ASF				
C321	255 4224 903	Film 0.047µF/50V	CO92M1H473JT MRZ				
C324	255 1249 907		CO93M1H471JT				
C327,328	254 4313 918	Electrolytic 10µF/50V	CE04W1H100MT ASF				
C341~344	255 4199 986	Film 0.001µF/50V	CQ92M1H102JT MRZ				
C351	256 1035 091	Metallized 1µF/50V	CF93A1H105J				
C352	255 41 99 98 6	Film 0.001µF/50V	CQ92M1H102JT MRZ				
C353,354	254 4313 934	Electrolytic 47µF/50V	CE04W1H470MT ASF				
OTHER F	PARTS						
	214 0142 004	Relay(TV-5)	I	11			
RL151	ł	Relay(RY-12W)					
RL201	214 0127 003		}				
RL301	ĺ						
P001	279 0034 041						
		(PTH9M04BD222TS2F333)					

(1U-2754)POWER SUPPLY UNIT(Power Unit) (1U-2829) CONTROL UNIT (Control Unit)

Ref.No	Part .No	Part Name	Remaks	Ref.No	Part .No	Part Name	Remaks
SEMICON	DUCTORS G	ROUP		SEMICON	DUCTORS G		
D401-408	276 0348 000	Diode S2K20F		IC801,802	263 0917 008	IC LB1710	
D501~508	276 0348 000	Diode S2K20F		IC803	26 2 0849 005	IC HD74HC10P	
D601	393 9517 904	LED SEL-2410E(TP2)	·	IC804	262 1434 008	IC TC74HC11AP	
				1C805	263 0986 000	IC NJM7820FA(S)	
				IC806	263 0809 006	IC NJM7805FA(S)	
	20.00000/-	not included Carbon File	n +5% 1/4W tyne)	1 C8 07	263 0801 004	IC NJM7812FA(S)	
				IC808	262 1321 001	IC TC74HC32AP	
R401-404	241 2447 084	Carbon 47kohm 1/2W	RD05A2H473J RMG			'	
R501~504	241 2447 084	Carbon 47kohm 1/2W	RD05A2H473J RMG	TR801,802	273 0198 918	Transistor 2SC1815(BL)TPE2	
				TR806-811	273 0198 918	Transistor 2SC1815(BL)TPE2	
				TR812	271 0102 908	Transistor 2SA1015(Y)TPE2	
CAPACIT	ORS GROUP			TR815	271 0102 908	Transistor 2SA1015(Y)TPE2	
C401-404	254 4435 715	Electrolytic 100µF/50V	CE04W1H101MC ARSA	TR616,817	273 0198 918	Transistor 2SC1815(BL)TPE2	
C405~408	254 4461 721	Electrolytic 4700µF/50V	CE04W1H472MC ARS	TR818	271 0102 908	Transistor 2SA1015(Y)TPE2	
C409,410	256 8023 006	Metallized 0.01;1F/250VAC	CF93A2EAC103M	TR819-821	273 0198 918	Transistor 2SC1815(BL)TPE2	
C501~504	254 4435 715	Electrolytic 100µF/50V	CE04W1H101MC ARSA	TR813,814	273 0198 918	Transistor 2SC1815(BL)TPE2	
C505-508	254 4461 721	Electrolytic 4700µF/50V	CE04W1H472MC ARS	TR822	269 0029 907	Transistor RN1204	
C509,510	256 8023 006	Metallized 0.01µF/250VAC	CF93A2EAC103M	TR823	273 0198 918	Transisior 2SC1815(BL)TPE2	
				D101-110	276 0049 914	Diode 1S2076ATE	
				D113-116	276 0049 914	Diode 1S2076ATE	
OTHER P				D801-825	276 0432 903	Diode 1SS270A	
CN106B	205 0190 036	3P NH Connector Base		D827~836	276 0432 903	Diode 1SS270A	
CN501,502	205 0907 009	6P VH Connector Base(RD)					
CN503,504	205 0653 065	6P VH Connector Base		ZD801	276 0469 905	Zener Diode HZS9C-1TD	
CN505,506	205 0653 081	8P VH Connector Base		ZD804,805	276 0469 905	Zener Diode HZS9C-1TD	
CN507A CN508A	205 0278 039	3P EH Connector Base(BK) 3P EH Connector Base(YW)		ZD 9 06	276 0466 908	Zener Diode HZS7C-1TD	
ON SOUTH	200 0200 000			LD701	393 9517 904	LED SEL-2410E(TP2)	
						Line Indeed Combon File	- +5% 1/4W type)
				RESISTO		not included Carbon Film	RD05A2H271JF RMC
				R791,792	1	Carbon 270ohm 1/2W	RD05A2H331JF RMG
				R793,794		Carbon 330ohm 1/2W	RD05A2H391JF RMC
				R795,796	241 2443 745		RD05A2H751JF RMC
				R797,798	241 2444 715	114 - 1 m 14 m 1 contract 114	i .
				R801-814	244 2043 908		I NO I I DONO I DI NOCI
				R871-878	244 2043 908	(Non-burning type) Metal Oxide Film 580ohm 1W	RS14B3A681JNBST
						(Non-burning type)	
				CAPACI	TORS GROU	P	
							CE04W1H101MT AS
				C101-110	254 4313 950		CE04W1H101MT AS
				C113-116			CE04W1H2R2MT AS
				C801	254 4313 976	- I I In FIRE!	CE04W1E100MT AS
				C802	254 4368 705		CE04W1E101MT AS
				C803	254 4368 734		CE04W1E100MT AS
	1			C804	254 4368 705		CE04W1E100MT AS
				C805	254 4368 905	- IN THE	CE04W1E100MT AS
				C806	254 4368 705	Electrolytic 10µF/25V	CEUTTT L'IOUNT AG

PARTS LIST OF PACKING & ACCESSORIES

CNTROL UNIT

Ref No	Part .No	Part Name	Remaks
C807 C808 C809 C810,811 C812,813 C814 C815–818 C819,820 C871 C821	Part .No 253 1170 902 254 4368 905 254 4368 705 254 4313 976 254 4382 716 253 1170 902 254 4313 921 254 4313 921 254 4313 976 253 9039 906 254 4313 989	Part Name Ceramic 0.1µF/50V Electrolytic 10µF/25V Electrolytic 10µF/25V Electrolytic 2.2µF/50V Electrolytic 1000µF/16V Ceramic 0.1µF/50V Electrolytic 22µF/50V Ceramic 0.1µF/50V Ceramic 0.1µF/50V Electrolytic 22µF/50V Ceramic 0.1µF/50V Electrolytic 31µF/50V Electrolytic 33µF/50V	Remaks CK93=1H104ZT CE04W1E100MT ASF CE04W1E100MT ASF CE04W1C102MC ASF CK93=1H104ZT CE04W1H220MT ASF CK93=1H104ZT CE04W1H220MT ASF CK93=1H104ZT CE04W1H22MT ASF CK45=1E104ZT CE04W1H330MT ASF

Ref.No	Part No	Part Name	Remaks	Q'ty
	505 9102 019	Poly Cover	900 x 450	1
	504 9102 029	Styrene Paper	900 x 700	1
	503 9268 009	Cushion		2
	501 9263 011	Carton Case		1
	}			

OTHER PA		_
RL101-110	214 0172 003	

	RL101-110		Relay (RY12W-OH)	ļ
	RL113-116	214 0172 003	Relay (RY12W-OH)	
	SW801,802	212 1115 005	2P Push Switch	INPUT SELECT
	SW803	212 0357 013	Rotary Switch(1-7)	RECIOUT SELECT
	SW804	212 0358 009	Rotary Switch(2-4)	HEGOO! SEEEO!
	SW805A-D	212 0364 006	Rotary Switch(4-11)	
	CN203B,204B		3P EH Connector Base (RD)	
	CN251B,252B	205 0233 032	3P EH Connector Base	
	CN253B,254B	205 0278 039	3P EH Connector Base (BK)	
	CN255B,256B	205 0276 031	3P EH Connector Base (BU)	
	CN257B,258B	205 0296 037	3P EH Connector Base (YW)	
	CN301A,B	205 0271 007	10P PH Connector Base	
i	CN302A,B	205 0321 009	10P PH Connector Base (RD)	
	CN303,304	205 0277 069	6P EH Connector Base (RD)	
	JN305,306	205 0296 066	6P EH Connector Base (YW)	
l	CN307,308	205 0276 060	6P EH Connector Base (BU)	
	CN401B	205 0296 037		
l	CN402B	205 0278 039		
١	CN403A,404	A 205 0233 061		
١	CN503B	205 0278 055	5P EH Connector Base (BK)	
Ì	CN504B	205 0276 057		
Ì	CN508B	205 0277 056		
١	CN605,606	205 0233 032		
	CN705A,B	205 0296 037		0
	CN801A,B	205 0271 081		
	CN802A,B	205 0271 052		
	CN810A,B	205 0322 053		
	CN851A,B	205 0322 03	7 3P PH Connector Base (BL)
	1	1	1	

POWER UNIT

505 9102 019	Poly Cover	900 x 450	1
	Styrene Paper	900 x 700	1
503 9268 009	Cushion		2
501 9263 008	Carlon Case	į	1
505 8006 019	Envelope	225 x 380	1
511 9394 000	Operating Instructions		1
515 0671 106	Service Station List (EX)		1
			١.
505 0076 115	Poly Cover		1 2
204 6505 004	12P DC Cord		
206 2118 006	AC Cord With Plug		200,7400
515 0690 006	DEL Warranty Home	U.S.A Only	1
			1
		ļ	
		ļ.	
	1		
	504 9102 029 503 9268 009 501 9263 008 505 8006 019 511 9394 000 515 0671 106 505 0076 115 204 6505 004 206 2118 006	504 9102 029 Styrene Paper 503 9268 009 Cushion 501 9263 008 Carton Case 505 8006 019 Envelope 511 9394 000 Operating Instructions 515 0671 106 Service Station List (EX) 505 0076 115 204 6505 004 Poly Cover 12P DC Cord 206 2118 006 AC Cord With Plug	504 9102 029 Styrene Paper 900 x 700 503 9268 009 Cushion Carton Case 505 8006 019 Envelope Operating Instructions 515 0671 106 Service Station List (EX) 505 0076 115 204 6505 004 Poly Cover 12P DC Cord 206 2118 006 AC Cord With Plug Europe Only

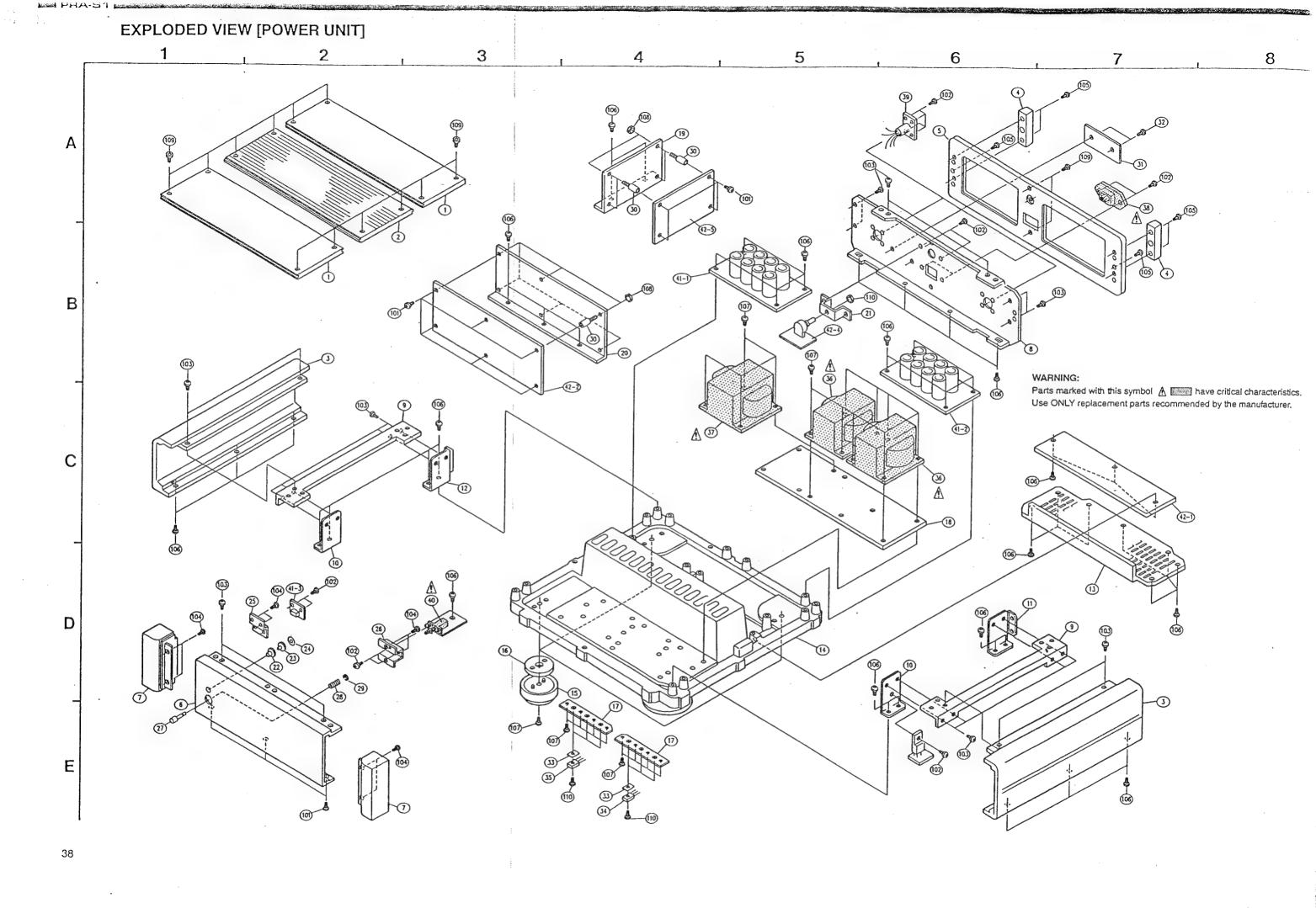
WARNING:

- Parts marked with * △ * and/or shading have special characteristics important to safety.
- period of time for supplying, or in some case supplying of part may be refused.

PARTS LIST OF EXPLODED VIEW (UPRAS1-C)

lef.No	Part No	Part Name	Remaks	Ref.No	Part No	Part Name	Remaks
1	144 9199 005	Top Plate		43	203 5039 002	3P Cannon Connector	
2	144 9200 017	Top Grille		44	204 6511 001	12P DC Connector(2)	
3	144 2301 308	Side Panel		45	GEN 3175	Atteneuator Sub	
4	144 2302 103	Back Fool		46	414 9078 009	Dust Cap-SDC	
5	144 9204 107	Rear Panel (C)-1		11			
6	GEN 7668	F.P Guide (C) Sub Ass		101	471 3832 008	4x8 CBS-CU	
7	144 2300 008	Side ESC		102	473 7002 021	3x8 CBTS (S)-B	
8	105 9248 304	Rear Panel (C)-2		103	473 8034 001	3x8 CBTS (S)-CU	
9	411 9127 100	Side Chassis		104	471 3837 003	3x4 CBS-CU	
10	412 9427 104	Bracket (F)		105	473 7005 015	3×12 CBTS (S)-Z	
11	412 9429 005	Bracket (R-R)		106	471 3840 003	4x6 CBS-CU	
12	412 9430 007	Bracket (R-L)		107	471 3840 016	4x14 CBS-CU	
13	105 9249 002	Bottom Cover		108	475 6164 007	Nut-W	
14	411 9130 032	Base Chassis (C) (KK)		109	475 6008 006	4N	
15	104 0267 006	Fool Ass'y		110	475 2004 004	4SW ZN	
16	414 9099 020	Damp Plate (FT)		111	473 7012 008	•	
17	414 9162 203	Shield Plate-A		112	473 7515 000	l control of the cont	
18	443 0900 132	P.W.B.Support		113	476 3802 004	Socket Screw (4×10)	
19	443 0900 161	P.W.B.Support					
20	414 9175 009	Dano Plate-A					
21	443 0900 158	P.W.B.Support		H			
22	443 0900 116	P.W.B.Support		1			
23	414 9163 105						
24	114 0121 000						
25	143 9107 007				1		
2 6	477 0211 002	1					
27	412 9425 009			11			
28	113 9300 007	1					
29	463 9071 008						
30	476 1003 009						
31	412 9424 107						
32	205 0804 005						
33	112 9116 104						
34	112 9120 006	1					
3 5	112 9119 004	_					
3 6	414 9077 000						
4- 37	1U- 2748	Input (R) Unit Ass'y					
⊢3 8	1U- 2749	Output Unit Ass'y					
r 38-1	1U- 2749 D-1						
38.2	1U- 2749 D-1			H			
39	1U- 2747	Input (L) Unit Ass'y					
- 4 0	1U-2829	Control Unit Ass'y					
r-40-1	1U-2829-1	Relay (L) Unit					
40-2	1U-2829-2	Relay (R) Unit					
40-3	1U-2829-3	Protect Unit					
40-4	1U-2829-4	LED Unit					
40-8	1U-2829-8	Push SW Unit					
40-8	1U-2829-9	Rotary SW Unit	-				
40-9		BAL. VOL Unit					
	204 8441 00						
41		1 3P Cannon Connector	ł	11	1	1	1

3



PARTS LIST OF EXPLODED VIEW (UPRAS1-P)

		Dort North	Remaks	Re	f.No	Part No	Part Name	Remaks
Ref.No	Part No	Part Name	Heliuns	_	-42	1U- 2753 -D	Power Amp Unit Ass'y	Multi-Voltage
1	144 9199 005	Top Plate			42	1U- 2753 -B	Power Amp Unit Ass'y	Europe
2	144 9200 004	Top Grille			42	1U- 2753 -A	Power Amp Unit Ass'y	USA
3	144 2301 308	Side Panel			r42-1	1U- 2753 D-1	Power Amp Unit	Multi-Voltage
4	144 2302 103	Back Fool			42-1	1U- 2753 B-1	Power Amp Unit	Europe
. 5	144 9203 108	Rear Panel (P)-1			42-1	1U- 2753 A-1	Power Amp Unit	USA
6	GEN 7661	F.P Guide (P) Sub Ass			42-2	1U- 2753 D-2	OSC&Protect Unit	Multi-Voltage
7	144 2300 008	Side ESC			42-2	1U- 2753 B-2	OSC&Protect Unit	Europe
8	105 9247 101	Rear Panel (P)-2			42-2	1U- 2753 A-2	OSC&Protect Unit	USA
9	411 9127 100	Side Chassis			42-4	1U-2753-D4	Rotary SW Unit	Multi-Voltage
10	412 9427 104	Bracket (F)			42-4	1U-2753-B4	Rotary SW Unit	Europe
11	412 9429 005	Bracket (R-R)			42-4	1U-2753-A4	Rotary SW Unit	USA
12	412 9430 007				42-5	1U-2753-D5	Fuse Unit	Multi-Voltage
13	105 9250 208				42.5	1U-2753-B5	Fuse Unit	Europe
14	411 9129 137	Base Chassis (P) (KK)			42-5	1U-2753-A5	Fuse Unit	USA
15	104 0267 006				46.7			
16	414 9099 020	Damp Plate (FT)			101	471 3832 008	3×8 CBS-CU	
17	412 9426 105	TR Holder			102	473 7002 021		
18	414 9168 207	P.T Damper		\parallel		473 8034 001		
19	412 9422 002	PWB Brackel-P			103	471 3837 003		
20	414 9166 102	Shield Plate-2			104	471 7005 015		
21	412 9435 109	SW Bracket			105	471 3840 003	1	
22	114 0121 000	LED Ring			106	471 3840 016		
23	143 9107 00	1			107	475 6164 00		
24	477 0211 002	. I. t. of a ship about			108	476 3802 00	10	
25	412 9425 00	9 Bracket (LED)			109	470 0012 02		
26	412 9423 00	1 Power SW Bracket			110	470 0012 02		
27	113 1625 00	7 P.Knob Ass'y						
28	463 9071 00	8 Spring		Ш				
29	476 1003 00	9 3E Ring			•			
30	443 0900 13	2 P.W.B.Support						
31	133 9010 13							
32	479 0011 00	1						
33	415 0234 00							
34	275 0080 0		TR309,311					
35	275 0081 0	05 2SK1303	TR308,310				1	
A 2-6	233 6148 0	033 Power Trans						
A.2.97		02 Power Trans	Multi-Voltage					
A 1	THE RESERVE OF THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TO PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TO P	04x Power Trains	Europe water	-				
A- 77		05 Power Trans	H USA N - A					
A	ACCUSE OF THE STATE OF THE SE	os Actuelos	USAAMuiti Yottege					
39	204 6506 0							
<u>7</u> \ € 40;		os Percestaleite (F.		220				
- 41	1U- 2754	P.Supply Unit Ass'y						
r41-								
41-								
41-								
""				- 11		1		

CONNECTOR PIN FUNCTION (CONTROL UNIT)

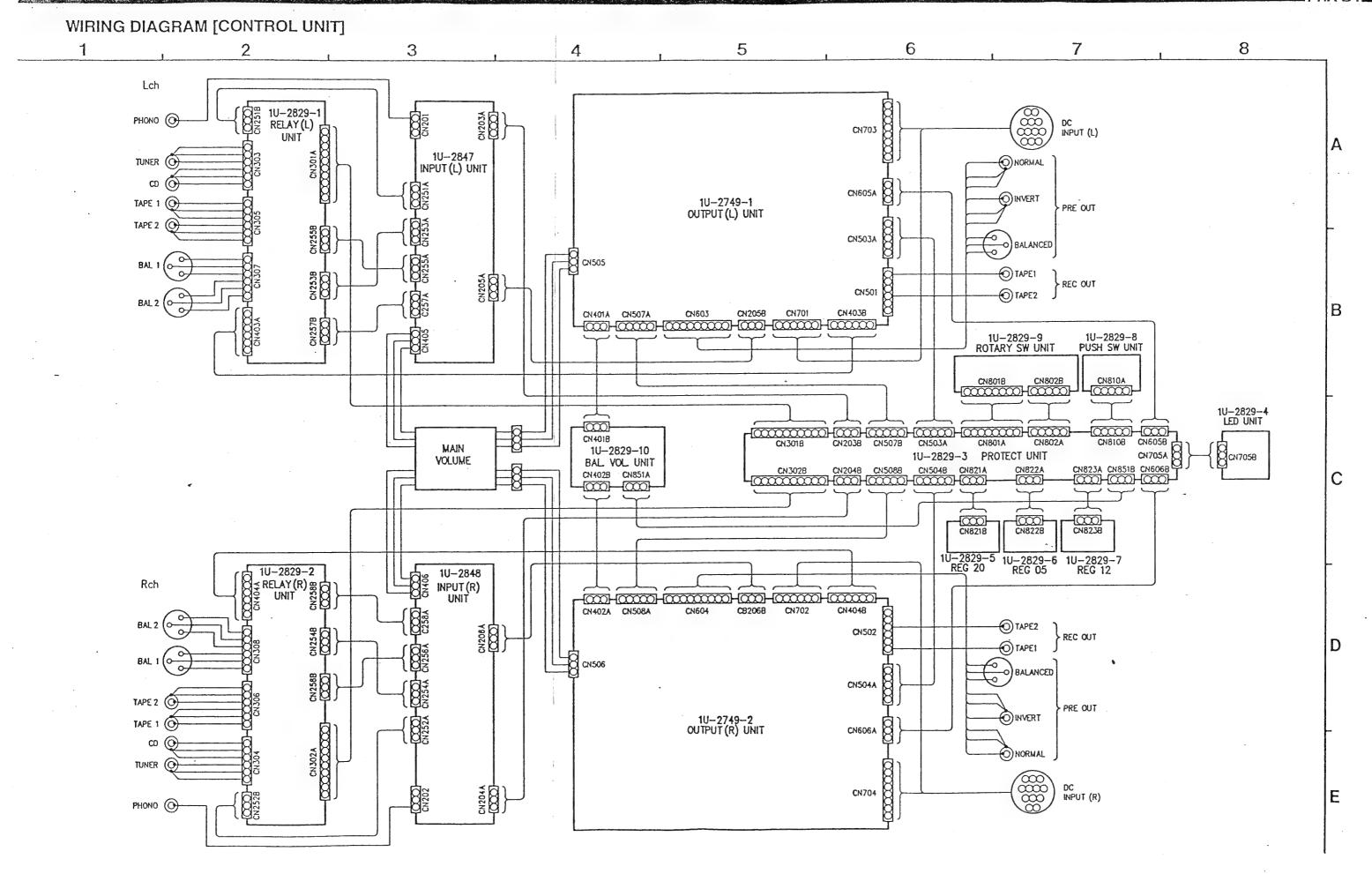
	1/	NECTON				
Pin	CN	201 F				
1		D				
2	GND					
3	GND					
	CN202 PHONO(R)					
1						
2	GND GND					
3	3					
-	CI	1203				
1		2V				
2		JBSONIC				
3		OPOWER				
	C	N204				
11		12V				
2	S	BSONIC				
3	ΙĒ	OPOWER				
	+	N205				
1	7	B				
2	-	ND				
3	_	В				
	I					
		N206				
1		·B				
2		SND				
_3	-	-B				
-	+	20051				
-	-+	EQOUT(L)				
-	1	GND				
	_	GND				
		CN252				
_		EQOUT(R)				
	_	GND				
-	3	GND				
-	-	CN253				
-	1	HOT(L)				
	2	GND				
	٥.	COLD(L)				
-						
-		CN254				
-	2	HOT(R)				
-	3	GND COLD(R)				
-	3	COLDINI				
-		CN255				
	1	RELAY+B				
ſ	2	BALJUNBAL				
	3	BALJUNBAL				
		CN256				
- }	1	RELAY+B				
}	2	BALUNBAL				
1	3	BALUNBAL				
.]		CN257				
	1	SOURCE(L)				
	2	GND				
	3	GND				
		CN258				
	1	SOURCE(A)				
	2	GND				
	3	GND				
	-	+				
	-	1				
	•					

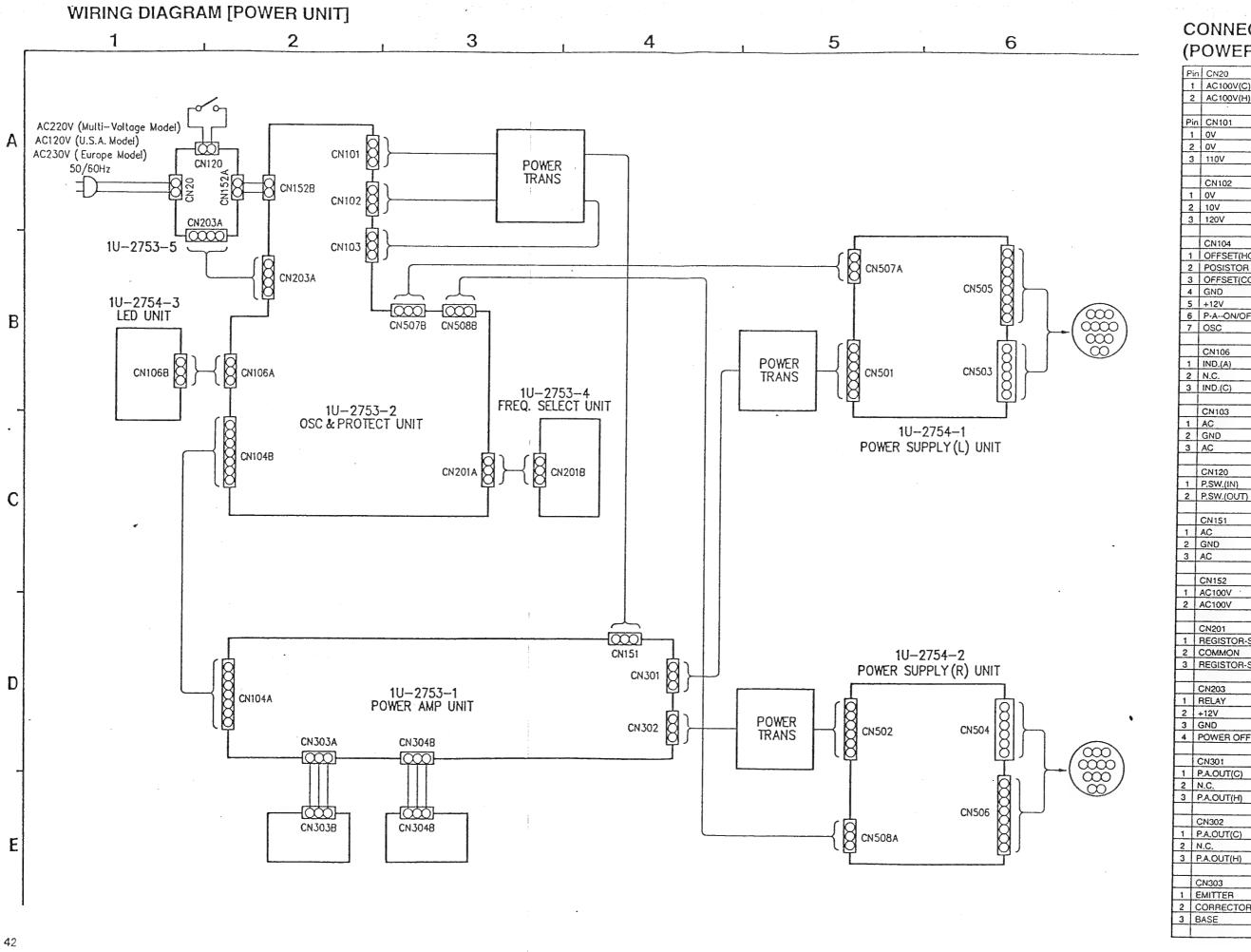
N	F	UNCTION (
in CN301						
1		ONO				
2	CD	NER				
3 4	TAI					
5	TA					
6	BALANCE1					
7	BALANCE2 BAL/UNBAL					
9		LUNBAL				
10		LAY+B				
_						
	_	1302				
1		JNER				
3	C					
4	_	APE1				
5		PE2				
6	B	ALANCE1				
7 8	B	ALANCEZ				
9	B	ALUNBAL				
10	P	ELAY+B				
	1					
-		N303				
2	_	CD(L)				
3	3 0	SND				
4		TUNER(L)				
15	-	SND				
1-5	5 1	GND				
-		CN304				
		CD(R)				
		GND				
_	-	GND TUNER(R)				
		GND				
	_	GND				
-		CN305				
-	2	TAPE1(L)				
-	3	GND				
	4	TAPE2(L)				
	5	GND				
-	6	GND				
-		CN306				
1	1	TAPE1(R)				
	2	GND				
	3	GND TARSO(S)				
	4	TAPE2(R)				
	5	GND				
		CN307				
	1	BALI-H(L)				
2 GND 3 BALI-C(L)						
4		BAL2-H(L)				
5		GND				
	6	BAL2-C(L)				
	-	CN308				
	1	BALI-H(R)				
	2	GND				
	3	BALI-C(R)				
	4	BAL2-H(R)				
	5	GND				

(C	O	MTHOL	זאונ					
Pin	CN	1401						
1	BA	L-CONT.A(L)	_					
2	GI	ID CONTROL	\dashv					
3	8/	L-CONT.B(L)	\dashv					
	CI	1402						
1		AL-CONT. A(R)	-					
2	G	ND NL-CONT. B(R)	-					
3	3 BACOONE SEE							
	C	N403						
1		ND (I)	-					
2	-	OURCE (L)	-					
3		APE1 (L) OUT						
5	10	ND	_					
6	+3	APE2 (L) OUT						
-	+	N404						
1	1	SND						
2	_	SOURCE(R)	-					
3	+	TAPE 1 (R) OUT						
5		GND						
G		TAPE2 (R) OUT						
_	4							
	_	CN405 HOT(L)						
_	2	GND						
	3	COLD(L)						
-	+	CN406						
-	,	HOT(R)						
-	2	GND						
-	3	COLD(R)						
-	-	CN501						
-	1	TAPE1(L)OUT						
	2	GND						
-	3	GND						
-	5	TAPE2(L)OUT						
	6	GND						
-	1	TAPE1(R)OUT						
}	2	GND						
1 1	3	GND						
	4	TAPE2(R)OUT						
-	5	GND						
1	6	GND						
1		CN503						
	1	TAPE1>2						
-	2	TAPE2>1 +12V						
-	4	SOURCE						
1	5	RELAY+B						
7								
-	-	CN504 TAPE1>2						
-	1 2							
7								
	4	SOURCE						
4	1	RELAY+B						
-	-	CN505						
-		HOT(L)						
].	_	2 GND						
		COLD(L)						

T)	1							
P	n C	N5	06	P				
-	1 HOT(R)							
	2 GND							
-	3 COLD(R)							
	1	N5	507	-				
	1 HOT(L)OUT							
-	2 GND							
-	3 COLD(L)OUT 4 PRE OUT(L)ON/OFF							
		+12		-				
				ŀ				
-	-	CN	508 T(R)OUT	I				
-		GN						
t	21	CO	D(R)OUT					
	4	PH	E OUT(R)ON/OFF					
- 1	5	+13	2V					
1		CN	V603					
	4	HC	T(L)OUT					
	2	-	ND ON					
	3	C	DLD(L)OUT					
	1		ND					
!	6	G	ND					
	1-		OT(L)OUT					
	8	C	OLD(L)OUT					
		Ĺ						
		C	N604					
	1-		IOT(R)OUT					
	3	10	SND					
1	1.		OLD(R)OUT	1				
	5	_	SND	1				
-	7	+;	OT(R)OUT	1				
1	8	1	GND	-				
]	9	1	COLD(R)OUT	-				
-	-	+	CN605	1				
-	-		CNTL+B					
-		2	GND	-				
	L	3	N.C.	+				
-	-	+	CN606	1				
-	-	1	CNTL+B					
		2	PRE OUT PRESET	-				
-		3	DC OFFSET ERROR					
\dashv	-	-	ENFIOR					
\dashv	-		CN701	4				
		1	+B	-				
-	-	3	GND -E	一				
-	-	4	+8					
	t	5	GND	-				
		6	-В	-				
	-		CN702					
-	1	1	+B	\exists				
	Ī	2	GND	-				
\exists		3	<u>-B</u>	ᅱ				
		5	+B GND					
		6	-B					
				_				
		<u> </u>		-				
		-	-					
		-	1					

أمنا	CN763	
Ц	CNTL+B	
2	GND	
3	GND	
5	GND	
5	GND	
6	GND	
	N.C.	
7		
8	N.C.	
	Ĭ	
	CN704	
1	N.C.	
2	1 W.C.	
3	I N.C.	
4	CNTL+E	
5	PRE OL	IT PRESET
_	DC OFF	SET
6	1	
	ERROP	
7	N.C.	
8		
-0	1	
_		
	CN705	
1	IND.(A	
_		
2	N.C.	
_	IND.(C	
Г		
-	CN801	
-		
L	PHON	0
	2 TUNE	R
	3 CC	
Ŀ	4 TAPE	
1	5 TAPE	2
	6 BALA	NCE1
		NCE2
-		NCEZ
L	8 GND	
-	CN80	2
-		
L	1 SOUP	RCE
1	2 OFF	
-	3 TAPE	1>2
-		
L	TAPE	2>1
- 1	5 GND	
T	1	
ŀ	CNIC	10
1	CN8	
ı	: EQ F	OW ERON
- [2 EQF	OWER OFF
- 1		
- 1		
1	4 SUB	SONIC ON
- {	5 SUB	SONIC OFF
1		
- 1	Chin	21
	CN8	
	1 CNT	L+B
	2 GNI)
	3 +20	
	CN	322
	1 +12	
	2 GN	
	3 +5\	
	CN	823
	1 CN	TL +B
	2 GN	D
	3 +12	<u> </u>
	CN	851
	1 2.	L-CONT(L)
	2 GM	ID
	3 BA	L-CONT(R)
	1-0	





CONNECTOR PIN FUNCTION (POWER UNIT)

OWER ON	111)			
CN20]	Р	in	CN304
AC100V(C)			1	EMITTER
AC100V(H)]	[2	2	CORRECTOR
	_	3	3	BASE
CN101	_	L		
0V	1			CN501
0V	1	L	_	AC
110V	1	2	<u> </u>	GND
	-	3	_	AC
CN102	1			AC
V	-	5	_	GND
10V	-	6	_	AC
120V	-	-	_	
011404	-	-		CN502
CN104	-	1	_	AC
OFFSET(HOT)	-	12	$\overline{}$	GND
POSISTOR	1	3	_	AC
OFFSET(COLD) GND	1	4	_	AC
+12V	-	5	-	GND
P-AON/OFF	1	尸	+	AC
OSC	1	\vdash	┪	CNEGO
030	1	1	1	CN503 +B
CN106	1	2	+	GND
IND.(A)	1	3	7	-B
N.C.		4	т	+8
IND.(C)		5	7	GND
		6	7	-B
CN103		Ť	t	
AC			1	CN504
GND		1	~	+8
AC		2	7	GND
		3	т	- 8
CN120		4	-	+B
P.SW.(IN)		5	Т	GND
P.SW.(OUT)		6	7	-B
			Ī	
CN151			I	CN505
VC		1	1	C.P.+B
GND		2	L	C.P.GND
AC .		3	L	N.C.
		4	L	N.C.
N152		5	L	N.C.
C100V ·		6	L	N.C.
C100V		7	L	N.C.
		8	L	N.C.
N201		<u> </u>	Ļ	
REGISTOR-SEL.			т	CN506
OMMON		1		N.C.
REGISTOR-SEL.		2		N.C.
N202		3	•	CONTROL +B
N203 ELAY	-	4	_	PRE OUT-PRESET
	-	5	_	FLAT-AMP-DC
12V IND	ł	6	_	V.C.
OWER OFF	- 1	7		V.C.
OWENOFF	- 1	8	_	v.C.
N301	H		-	CN507
A.OUT(C)	H	1	_	
.C.		2	_	C.P.+B
A.OUT(H)	ŀ	3		C.P.GND V.C.
	ŀ	Ť		•
N302	h	-	-	N508
A.OUT(C)	H	1		CONTROL+B
.C.	†	2	_	PREOUT-PRESET
A.OUT(H)	l	3		LAT-AMP-DC
	1	-	Ť	
N303	r		_	
MITTER	L		_	
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